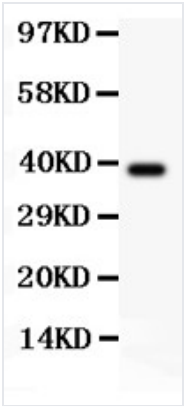
CRK Antibody – Rabbit Polyclonal

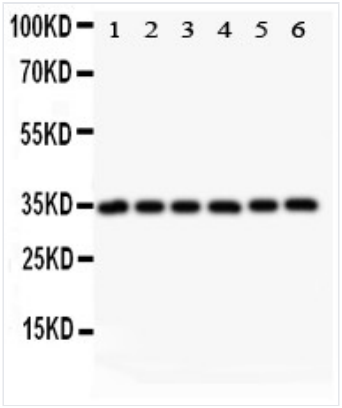
PRODUCT OVERVIEW

Product Name	Crk p38, Polyclonal Antibody
Full Product Name	Anti-Crk p38 Antibody
Product Gene Name	anti-CRK antibody
Product Synonym Names	Adapter molecule crk; v-crk avian sarcoma virus CT10 oncogene homolog; Adapter molecule crk antibody; Avian sarcoma virus CT10 (v crk) oncogene homolog antibody; CRK antibody; CRK isoform 2 antibody; CRK isoform II antibody; CRK_HUMAN antibody; CRKII antibody; FLJ38130 antibody; OTTHUMP00000115366 antibody; OTTHUMP00000198330 antibody; p38 antibody; Proto oncogene C crk antibody; Proto-oncogene C-crk antibody; v crk avian sarcoma virus CT10 oncogene homolog antibody; v crk sarcoma virus CT10 oncogene homolog antibody; v crk sarcoma virus CT10 oncogene homolog (avian) antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized
Purity/Purification	Immunogen affinity purified.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.
Molecular Weight	22,906 Da
OMIM	164762
3D Structure	ModBase 3D Structure for P46108
Immunogen	E Coli-derived human Crk p38 recombinant protein (Position: A2-R246). Human Crk p38 shares 99% and 100% amino acid (aa) sequences identity with mouse and rat Crk p38, respectively.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-CRK antibody	Western Blot (WB), Immunohistochemistry (IHC) Paraffin
Related Product Information for anti-CRK antibody	**Description:** Rabbit IgG polyclonal antibody for Adapter molecule crk(CRK) detection. Tested with WB, IHC-P in Human, Mouse, Rat. **Background:** CRK, also known as p38 or CRKII, is a protein that in humans is encoded by the CRK gene. This gene is a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. It is mapped to 17p13.3. The CRK protein participates in the Reelin signaling cascade downstream of DAB1. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal SH3 domain functions as a negative regulator of transformation. Two alternative transcripts encoding different isoforms with distinct biological activity have been described.
Other Notes	Small volumes of anti-CRK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

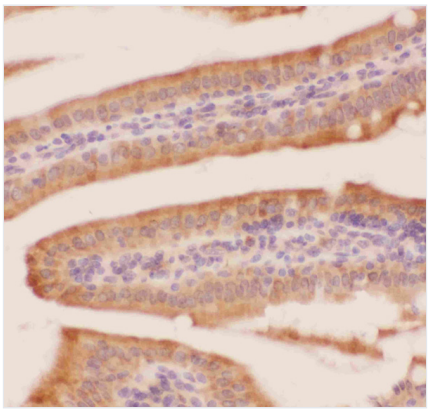
Searchable Terms for CRK purchase	MBS176838 is an antibody targeting CRK. Also known as Anti-Crk p38 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



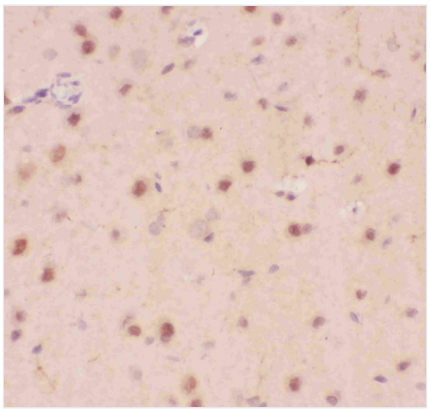
Testing Data of anti-CRK antibody
Anti-Crk p38 Picoband antibody, MBS176838-1.jpgAll lanes: Anti Crk p38 (MBS176838) at 0.5ug/mlWB: Recombinant Human CRKp38 Protein 0.5ngPredicted bind size: 38KDObserved bind size: 38KD



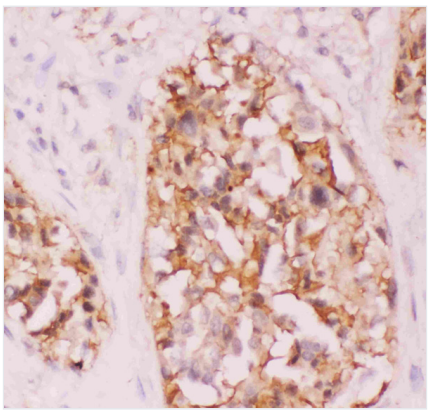
Testing Data of anti-CRK antibody
Anti-Crk p38 Picoband antibody, MBS176838-2.jpgAll lanes: Anti Crk p38 (MBS176838) at 0.5ug/mlLane 1: Rat Spleen Tissue Lysate at 50ugLane 2: Rat Thymus Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: Mouse Brain Tissue Lysate at 50ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: SMMC Whole Cell Lysate at 40ugPredicted bind size: 34KDObserved bind size: 34KD



Immunohistochemistry (IHC) of anti-CRK antibody
Anti-Crk p38 Picoband antibody, MBS176838-3.JPGIHC(P): Mouse Intestine Tissue



Immunohistochemistry (IHC) of anti-CRK antibody
Anti-Crk p38 Picoband antibody, MBS176838-4.JPGIHC(P): Rat Brain Tissue



Immunohistochemistry (IHC) of anti-CRK antibody
Anti-Crk p38 Picoband antibody, MBS176838-5.JPGIHC(P): Human Lung Cancer Tissue

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRK. It may not necessarily be applicable to this product.

NCBI GI #	158939322
NCBI GeneID	1398

NCBI Accession #	P46108.2
UniProt Primary Accession #	P46108
UniProt Secondary Accession #	Q96GA9; Q96HJ0; A8MWE8; B0LPE8; D3DTH6
UniProt Related Accession #	P46108
NCBI Official Full Name	Adapter molecule crk
NCBI Official Synonym Full Names	v-crk avian sarcoma virus CT10 oncogene homolog
NCBI Official Symbol	CRK
NCBI Official Synonym Symbols	p38; CRKII
UniProt Protein Name	Adapter molecule crk
UniProt Synonym Protein Names	Proto-oncogene c-Crk; p38
Protein Family	Adapter molecule
UniProt Gene Name	CRK
UniProt Entry Name	CRK_HUMAN
NCBI Protein Information	adapter molecule crk; proto-oncogene c-Crk
NCBI Summary for CRK	This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal SH3 domain functions as a negative regulator of transformation. Two alternative transcripts encoding different isoforms with distinct biological activity have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for CRK	CRK: an adaptor protein with an SH2-SH3-SH3 domain structure. Recruits cytoplasmic proteins through SH2-phospho-tyrosine interaction. Phosphorylated by Abl, IGF-IR and EGFR. Phosphorylation induces a change in intramolecular folding and SH2 interactions, causing its rapid dissociation from the tyrosine kinase complex. Protein type: Adaptor/scaffold; Motility/polarity/chemotaxis; Oncoprotein Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: cytoplasm; plasma membrane; nucleus; cytosol; actin cytoskeleton Molecular Function: protein phosphorylated amino acid binding; protein binding; SH3/SH2 adaptor activity; ephrin receptor binding; SH2 domain binding Biological Process: regulation of transcription from RNA polymerase II promoter; regulation of Rac protein signal transduction; platelet activation; nerve growth factor receptor signaling pathway; activation of MAPKK activity; regulation of actin cytoskeleton organization and biogenesis; insulin receptor signaling pathway; ephrin receptor signaling pathway; innate immune response; blood coagulation; vascular endothelial growth factor receptor signaling pathway
Research Articles on CRK	**1.** These findings suggest that PTPN4 negatively regulates cell proliferation and motility through dephosphorylation of CrkI.
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