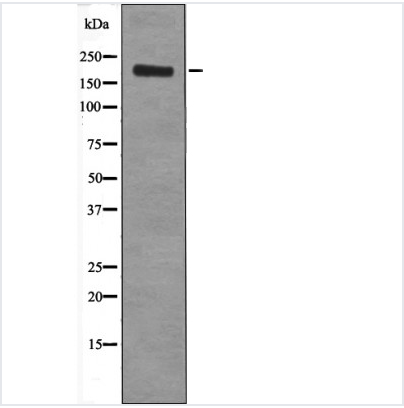
RET Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Ret, Polyclonal Antibody
Full Product Name	Ret (Phospho-Tyr1096) Antibody
Product Gene Name	anti-Ret antibody
Product Synonym Names	RET; Cadherin family member 12; CDHF12; C-ret; Hirschsprung disease 1; HSCR1; Hydroxyaryl-protein kinase; Oncogene ret; Proto-oncogene c-Ret; RET-ELE1; RET51; Ret proto-oncogene; RET transforming sequence; RET43; Men2-ret; MEN2B; MTC1; Receptor tyros...
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi
Concentration	1 mg/ml (lot specific)
Specificity	Ret (Phospho-Tyr1096) Antibody detects endogenous levels of Ret only when phosphorylated at Tyr1096
Preparation and Storage	Store at -20 degree C
Molecular Weight	Calculated MW: 175kDa
OMIM	AK291807 mRNA
3D Structure	ModBase 3D Structure for P07949
Immunogen	A synthesized peptide derived from human Ret (Phospho-Tyr1096)
Immunogen Type	Peptide
Target Species	Human
Target Name	Ret
Modification	Phospho
Product Categories/Family for anti-Ret antibody	Phospho-specific Ab
Applications Tested/Suitable for anti-Ret antibody	Western Blot (WB)
Application Notes for anti-Ret antibody	Western Blot: 1:1000
Related Product Information for anti-Ret antibody	MBS9416522 is an antibody targeting Ret. Also known as Ret (Phospho-Tyr1096) Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-Ret 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.



Western Blot (WB) of anti-Ret antibody
Western blot analysis Ret (Phospho-Tyr1096) using EGF treated HepG2 whole cell lysates

ADDITIONAL DETAILS

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

NCBI GI #	10862701
NCBI GeneID	5979
NCBI Accession #	NP_065681.1
UniProt Primary Accession #	P07949
UniProt Secondary Accession #	Q15250; Q9BTB0; Q9H4A2; A8K6Z2
UniProt Related Accession #	P07949
GenBank Nucleotide #	NM_020630.4
NCBI Official Full Name	proto-oncogene tyrosine-protein kinase receptor Ret isoform c
NCBI Official Synonym Full Names	ret proto-oncogene
NCBI Official Symbol	RET
NCBI Official Synonym Symbols	PTC; MTC1; HSCR1; MEN2A; MEN2B; RET51; CDHF12; CDHR16; RET-ELE1
UniProt Protein Name	Proto-oncogene tyrosine-protein kinase receptor Ret
UniProt Synonym Protein Names	Cadherin family member 12; Proto-oncogene c-Ret
Protein Family	Proto-oncogene tyrosine-protein kinase receptor
UniProt Gene Name	RET
UniProt Synonym Gene Names	CDHF12; CDHR16; PTC; RET51
UniProt Entry Name	RET_HUMAN
NCBI Protein Information	proto-oncogene tyrosine-protein kinase receptor Ret
NCBI Summary for Ret	This gene, a member of the cadherin superfamily, encodes one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. This gene plays a crucial role in neural crest development, and it can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Mutations in this gene are associated with the disorders multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung disease, and medullary thyroid carcinoma. Two transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described but their biological validity has not been confirmed. [provided by RefSeq, Jul 2008]

UniProt Comments for Ret	Ret: a proto-oncogenic receptor tyrosine kinase. Receptor for glial cell line-derived neurotropic factor (GDNF) and its congeners neurturin, persephin and artemin. Part of a multicompetent receptor complex with other membrane-bound ligand-binding GDNF family receptors (aGFRs). Required for development of the kidney and neural crest-derived cell types. Three alternatively spliced isoforms have been described. Protein type: EC 2.7.10.1; Kinase, protein; Membrane protein, integral; Oncoprotein; Protein kinase, TK; Protein kinase, tyrosine (receptor); Ret family; TK group Chromosomal Location of Human Ortholog: 10q11.2 Cellular Component: cytoplasm; endosome membrane; integral to plasma membrane; intracellular membrane-bound organelle; plasma membrane; receptor complex Molecular Function: calcium ion binding; protein binding; protein-tyrosine kinase activity; Ras guanyl-nucleotide exchange factor activity; receptor activity Biological Process: MAPKKK cascade; membrane protein proteolysis; neuron adhesion; positive regulation of cell adhesion mediated by integrin; positive regulation of cell migration; positive regulation of transcription, DNA-dependent; posterior midgut development; protein amino acid phosphorylation; regulation of cell adhesion; response to pain; signal transduction Disease: Hirschsprung Disease, Susceptibility To, 1; Multiple Endocrine Neoplasia, Type Iia; Multiple Endocrine Neoplasia, Type Iib; Thyroid Carcinoma, Familial Medullary; Thyroid Carcinoma, Papillary
Research Articles on Ret	**1.** Our findings nevertheless suggest that CCDC6-RET fusions identified by multiplex testing are potential targets for nintedanib therapy.
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