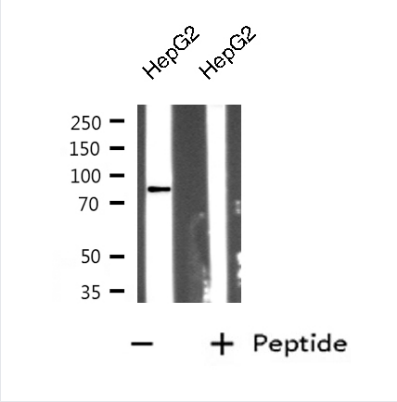
RHBT2 Antibody – Rabbit Polyclonal

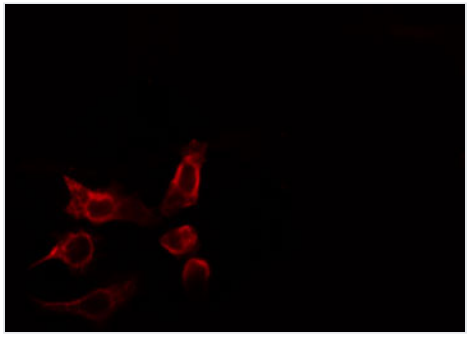
PRODUCT OVERVIEW

Product Name	RHBT2, Polyclonal Antibody
Full Product Name	RHBT2 Antibody
Product Gene Name	anti-RHBT2 antibody
Product Synonym Gene Name	RHOBTB2
Product Synonym Names	DBC 2; Deleted in breast cancer 2; Deleted in breast cancer 2 gene protein; p83; RHBT2_HUMAN; Rho related BTB domain containing 2; Rho related BTB domain containing protein 2; Rho-related BTB domain-containing protein 2; RHOBTB 2; Rhobtb2; 1700008H16Rik; 3110048G13Rik; AI173445; AI573858; AV350930; KIAA0740; MGC107538; MGC33059; MGC33841; OTTHUMP00000019662; OTTHUMP00000019663; RHBT1_HUMAN; Rho related BTB domain containing 1; Rho related BTB domain containing protein 1; Rho-related BTB domain-containing protein 1; Rhobtb1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	RHBT2 antibody detects endogenous levels of RHBT2
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	RHBT2 peptide (MBS9614904) is used for blocking the activity of RHBT2 antibody (MBS9600351)
Molecular Weight	Observed: 83 kDa Predicted: 83 kDa
3D Structure	ModBase 3D Structure for Q9BYZ6
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human RHBT2
Tissue Specificity	Ubiquitous, with highest levels in neural tissues. Expression is also detected in fetal lung, heart, and brain.
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RHBT2 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-RHBT2 antibody	WB: 1:500-1:2000 IF/ICC: 1:100-1:500
Related Product Information for anti-RHBT2 antibody	Description: RhoBTB2 Belongs to the small GTPase superfamily. Rho family. Subunit Structure: Interacts with HSP90AA1 and HSP90AB1 (PubMed:26517842). Similarity: Belongs to the small GTPase superfamily. Rho family.

Other Notes	Small volumes of anti-RHBT2 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 RHBT2 purchase	MBS9600351 is an antibody targeting RHBT2. Also known as RHBT2 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-RHBT2 antibody
Western blot analysis on HepG2 cell lysate using RHBT2 Antibody



Immunofluorescene (IF) of anti-RHBT2 antibody
MBS9600351 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RHBT2. It may not necessarily be applicable to this product.

NCBI GI #	237649109
NCBI GeneID	23221
NCBI Accession #	NP_001153508.1
UniProt Primary Accession #	Q9BYZ6
UniProt Secondary Accession #	O94825; Q8N4A8; Q9BZK6; A8K9Z8; D3DSR8; E9PBU2; E9PEI7
UniProt Related Accession #	Q9BYZ6
GenBank Nucleotide #	NM_001160036.1
NCBI Official Full Name	rho-related BTB domain-containing protein 2 isoform 1
NCBI Official Synonym Full Names	Rho related BTB domain containing 2
NCBI Official Symbol	RHOBTB2
NCBI Official Synonym Symbols	DBC2; EIEE64
UniProt Protein Name	Rho-related BTB domain-containing protein 2
UniProt Synonym Protein Names	Deleted in breast cancer 2 gene protein; p83
UniProt Gene Name	RHOBTB2
UniProt Synonym Gene Names	DBC2; KIAA0717
NCBI Protein Information	rho-related BTB domain-containing protein 2
NCBI Summary for RHBT2	The protein encoded by this gene is a small Rho GTPase and a candidate tumor suppressor. The encoded protein interacts with the cullin-3 protein, a ubiquitin E3 ligase necessary for mitotic cell division. This protein inhibits the growth and spread of some types of breast cancer. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
Research Articles on RHBT2	**1.** these findings provide evidence that DBC2 suppresses tumorigenesis in breast cancer by ubiquitinating MSI2.

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