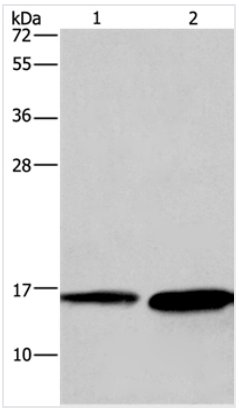
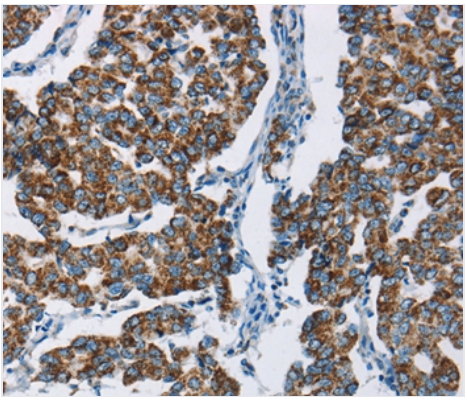
HINT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HINT2, Polyclonal Antibody
Full Product Name	HINT2 Antibody
Product Gene Name	anti-HINT2 antibody
Product Synonym Names	HIT-17
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	2.3 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total HINT2 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	17,162 Da
OMIM	609997
3D Structure	ModBase 3D Structure for Q9BX68
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human histidine triad nucleotide binding protein 2
Target Name	HINT2
Product Categories/Family for anti-HINT2 antibody	Total protein Ab
Applications Tested/Suitable for anti-HINT2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-HINT2 antibody	Western blotting: 1:500-1:2000 Immunohistochemistry: 1:50-1:200
Related Product Information for anti-HINT2 antibody	Hint2 (histidine triad nucleotide binding protein 2), also known as HIT-17, is a 163 amino acid secreted protein that contains one HIT domain, a histidine triad that has catalytic activity toward the -phosphate of ribonucleotides. Via its HIT domain, Hint2 is thought to function as a hydrolase that is encoded by a gene which maps to chromosome 9. Chromosome 9 contains 145 million base pairs and comprises 4% of the human genome, encoding nearly 900 genes. Hereditary hemorrhagic telangiectasia and Familial dysautonomia are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.
Other Notes	Small volumes of anti-HINT2 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 HINT2 purchase	MBS9409226 is an antibody targeting HINT2. Also known as HINT2 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Testing Data of anti-HINT2 antibody
Gel: 12%SDS-PAGE Lysates (from left to right): Mouse heart and human hepatocellular carcinoma tissue Amount of lysate: 40ug per lane Primary antibody: 1/300 dilution Secondary antibody dilution: 1/8000 Exposure time: 20 seconds



Immunohistochemistry (IHC) of anti-HINT2 antibody
Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using at dilution 1/50.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HINT2. It may not necessarily be applicable to this product.

NCBI GI #	14211923
NCBI GeneID	84681
NCBI Accession #	NP_115982.1
UniProt Primary Accession #	Q9BX68
UniProt Secondary Accession #	Q5TCW3
UniProt Related Accession #	Q9BX68
GenBank Nucleotide #	NM_032593.2
NCBI Official Full Name	histidine triad nucleotide-binding protein 2, mitochondrial
NCBI Official Synonym Full Names	histidine triad nucleotide binding protein 2
NCBI Official Symbol	HINT2
NCBI Official Synonym Symbols	HIT-17
UniProt Protein Name	Histidine triad nucleotide-binding protein 2, mitochondrial
UniProt Synonym Protein Names	HINT-3; HIT-17kDa; PKCI-1-related HIT protein
Protein Family	Histidine triad nucleotide-binding protein
UniProt Gene Name	HINT2
UniProt Synonym Gene Names	HINT-2
UniProt Entry Name	HINT2_HUMAN
NCBI Protein Information	histidine triad nucleotide-binding protein 2, mitochondrial
NCBI Summary for HINT2	Histidine triad proteins, such as HINT2, are nucleotide hydrolases and transferases that act on the alpha-phosphate of ribonucleotides (Brenner, 2002 [PubMed 12119013]).[supplied by OMIM, Mar 2008]

UniProt Comments for HINT2	HINT2: Hydrolase probably involved in steroid biosynthesis. May play a role in apoptosis. Has adenosine phosphoramidase activity. Belongs to the HINT family. Protein type: Hydrolase; EC 3.-.-.- Chromosomal Location of Human Ortholog: 9p13.3 Cellular Component: mitochondrion; nucleolus Molecular Function: hydrolase activity; nucleotide binding Biological Process: apoptosis; steroid biosynthetic process
Research Articles on HINT2	**1.** Low HINT2 expression is associated with low response to therapy in endometrial cancer.
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