

Rabbit KIAA1199 Polyclonal Antibody | anti-KIAA1199 antibody

KIAA1199 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322883	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

KIAA1199; Polyclonal Antibody; KIAA1199 Antibody; IR2155535; KIAA1199 protein; OTTHUMP00000185569; OTTHUMP00000195036; TMEM2L; Transmembrane protein 2 like; anti-KIAA1199 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KIAA1199 antibody detects endogenous levels of KIAA1199.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1361
Applicable Applications for anti-KIAA1199 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KIAA1199.
Subcellular Location	Endoplasmic Reticulum; Extracellular Region or Secreted; Plasma Membrane; Nucleus
Tissue Specificity	Expressed in dermal and in synovial fibroblasts. Strongly expressed in gastric cancers compared with the paired normal tissues. Strongly expressed in both ductal carcinoma and invasive breast cancer cells compared with benign epithelial cells (at protein level). Strongly expressed in brain, placenta, prostate, breast, lung and testis. Expressed in fibroblasts, epithelial cells and cancer cells. In ear, it is specifically expressed in inner ear. Expressed in cochlea and vestibule tissues. Strongly expressed in gastric cancers compared with the paired normal tissues. Strongly expressed in colon adenocarcinomas compared with normal colonic mucosas. Strongly expressed in breast cancer as compared to normal breast tissue.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (92%), Rabbit (91%), Dog (92%), Chicken (82%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of COLO 320 cells, using KIAA1199 antibody.



IHC (Immunohistochemistry)
AAA322883 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-KIAA1199 antibody	Function: Mediates depolymerization of hyaluronic acid (HA) via the cell membrane-associated clathrin-coated pit endocytic pathway. Binds to hyaluronic acid. Hydrolyzes high molecular weight hyaluronic acid to produce an intermediate-sized product, a process that may occur through rapid vesicle endocytosis and recycling without intracytoplasmic accumulation or digestion in lysosomes. Involved in hyaluronan catabolism in the dermis of the skin and arthritic synovium. Positively regulates epithelial-mesenchymal transition (EMT), and hence tumor cell growth, invasion and cancer dissemination. In collaboration with HSPA5/BIP, promotes cancer cell migration in a calcium and PKC-dependent manner. May be involved in hearing. Subunit Structure: Interacts with EPHA2 and ITPR3. Interacts with HSPA5/BIP; the interaction induces calcium leakage from the endoplasmic reticulum and cell migration. Interacts with clathrin heavy chain/CLTC. Post-translational Modifications: N-glycosylated; glycosylation is not necessary for HA-binding. Similarity: The signal sequence is essential in mediating its proper translocation, hyaluronic acid (HA) degradation activity and secretion. Belongs to the TMEM2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	648216161
NCBI GeneID	57214
NCBI Accession #	NP_001280227.1
NCBI GenBank Nucleotide #	NM_001293298.1
UniProt Accession #	Q8WUJ3; Q6L9J5; Q9H1K5; Q9NPN9; Q9ULM1
Molecular Weight	Observed: 153 kDa Predicted: 153 kDa
NCBI Official Full Name	cell migration-inducing and hyaluronan-binding protein
NCBI Official Synonym Full Names	cell migration inducing hyaluronidase 1
NCBI Official Symbol	CEMIP
NCBI Official Synonym Symbols	CCSP1; HYBID; TMEM2L; KIAA1199
NCBI Protein Information	cell migration-inducing and hyaluronan-binding protein
UniProt Protein Name	Cell migration-inducing and hyaluronan-binding protein
UniProt Gene Name	CEMIP
UniProt Synonym Gene Names	KIAA1199

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.