

Rabbit anti-Human HERP Polyclonal Antibody | anti-HERP antibody

HERP Antibody

CATALOG # AAA323102	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	----------------------------	---

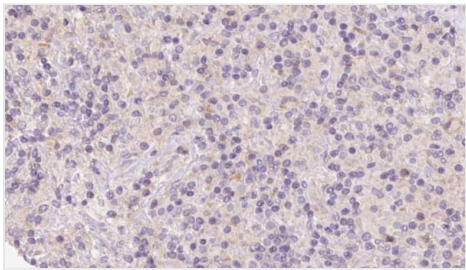
PRODUCT SYNONYMS

HERP; Polyclonal Antibody; HERP Antibody; HERP1_HUMAN; HERPUD1; Homocysteine inducible endoplasmic reticulum stress inducible ubiquitin like domain member 1; Homocysteine inducible endoplasmic reticulum stress inducible ubiquitin like domain member 1 protein; Homocysteine responsive endoplasmic reticulum resident ubiquitin like domain member 1; Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein; KIAA0025; Methyl methanesulfonate (MMF) inducible fragment protein 1; Methyl methanesulfonate (MMF)-inducible fragment protein 1; MIF1; MMS inducible; SUP; anti-HERP antibody

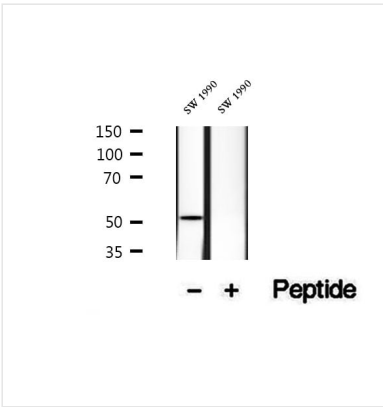
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	HERP antibody detects endogenous levels of HERP.
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	390
Applicable Applications for anti-HERP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HERP.
Subcellular Location	Endoplasmic Reticulum Membrane.
Tissue Specificity	Widely expressed; in the brain, expression seems to be restricted to neurons and vascular smooth muscle cells. Present in activated microglia in senile plaques in the brain of patients with Alzheimer disease.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323102 at 1/100 staining Human lymph 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.



WB (Western Blot)
Western blot analysis of extracts of SW 1990 cells, using HERP antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HERP antibody	Function: Component of the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins. Could enhance presenilin-mediated amyloid-beta protein 40 generation. Binds to ubiquilins and this interaction is required for efficient degradation of CD3D via the ERAD pathway (PubMed:18307982). Subunit Structure: Interacts with PSEN1 and PSEN2. Interacts with SYVN1 and UBXN6. Interacts with UBQLN1, UBQLN2 and UBQLN4.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	58530857
NCBI GeneID	9709
NCBI Accession #	NP_001010989.1
NCBI GenBank Nucleotide #	NM_001010989.2
UniProt Accession #	Q15011; O60644; Q6IAN8; Q96D92; E9PGD1
Molecular Weight	Observed: 52 kDa Predicted: 44 kDa
NCBI Official Full Name	homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein isoform 2
NCBI Official Synonym Full Names	homocysteine inducible ER protein with ubiquitin like domain 1
NCBI Official Symbol	HERPUD1
NCBI Official Synonym Symbols	SUP; HERP; Mif1
NCBI Protein Information	homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein
UniProt Protein Name	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein
UniProt Gene Name	HERPUD1
UniProt Synonym Gene Names	HERP; KIAA0025; MIF1

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.