Rabbit Liprin alpha 1 Polyclonal Antibody | anti-LIP-1 antibody

Liprin alpha 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322928	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Liprin alpha 1; Polyclonal Antibody; Liprin alpha 1 Antibody; FLJ42630; HGNC:9245; LAR interacting protein 1; LAR-interacting protein 1; LIP 1; LIP.1; LIP1; LIPA1_HUMAN; LIPRIN; Liprin-alpha-1; MGC26800; PPFIA 1; PPFIA1; Protein tyrosine phosphatase receptor type f polypeptide (PTPRF) interacting protein (liprin) alpha 1; Protein tyrosine phosphatase receptor type f polypeptide interacting protein alpha 1; Protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-1; PTPRF interacting protein alpha 1; PTPRF-interacting protein alpha-1; anti-LIP-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Liprin alpha 1 antibody detects endogenous levels of Liprin alpha 1.
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	1202
Applicable Applications for anti-LIP-1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Liprin alpha 1.
Subcellular Location	Cytoplasm. Colocalizes with PTPRF at the ends of focal adhesions most proximal to the cell nucleus.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	**Rabbit, Dog, Chicken, Xenopus**
Similarity	Rabbit (92%), Dog (92%), Chicken (92%), Xenopus (92%)
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 HeLa cells, using Liprin alpha 1 antibody.

IHC (Immunohiostchemistry)
AAA322928 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.

WB (Western Blot)
Western blot analysis of extracts from various samples, using Liprin alpha 1 antibody. Lane 1: 293 treated with blocking peptide. Lane 2: 293; Lane 3: hela;

ADDITIONAL INFORMATION

Related Product Information for anti-LIP-1 antibody	Function: May regulate the disassembly of focal adhesions. May localize receptor-like tyrosine phosphatases type 2A at specific sites on the plasma membrane, possibly regulating their interaction with the extracellular environment and their association with substrates. Subunit Structure: Forms homodimers and heterodimers with liprins-alpha and liprins-beta. Interacts with the second PTPase domain of PTPRD, PTPRF and PTPRS. Interacts with GIT1, KIF1A and GRIP1 (By similarity). Similarity: The N-terminal coiled coil regions mediate homodimerization preferentially and heterodimerization type alpha/alpha. The C-terminal, non-coiled coil regions mediate heterodimerization type alpha/beta and interaction with PTPRD, PTPRF and PTPRS. Belongs to the liprin family. Liprin-alpha subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505983
NCBI GeneID	8500
NCBI Accession #	NP_003617.1
NCBI GenBank Nucleotide #	NM_003626.3
UniProt Accession #	Q13136; Q13135; Q14567; Q8N4I2; A6NLE3
Molecular Weight	Observed: 160 kDa Predicted: 136 kDa
NCBI Official Full Name	liprin-alpha-1 isoform b
NCBI Official Synonym Full Names	PTPRF interacting protein alpha 1
NCBI Official Symbol	PPFIA1
NCBI Official Synonym Symbols	LIP1; LIP.1; LIPRIN
NCBI Protein Information	liprin-alpha-1
UniProt Protein Name	Liprin-alpha-1
UniProt Gene Name	**PPFIA1**
UniProt Synonym Gene Names	LIP1; LIP-1; PTPRF-interacting protein alpha-1

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.