

Rabbit PELP1 Monoclonal Antibody | anti-PELP1 antibody

Anti-PELP1 Rabbit Monoclonal Antibody

CATALOG # AAA47114	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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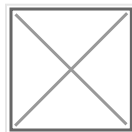
PRODUCT SYNONYMS

PELP1; Monoclonal Antibody; Anti-PELP1 Rabbit Monoclonal Antibody; Proline-; glutamic acid- and leucine-rich protein 1; Modulator of non-genomic activity of estrogen receptor; Transcription factor HMX3; HMX3; MNAR; anti-PELP1 antibody

PRODUCT SPECIFICATIONS

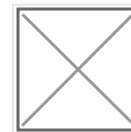
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	1,130
Applicable Applications for anti-PELP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human PELP1
Subcellular Localization	Nucleus, nucleoplasm. Nucleus. Cytoplasm. Mainly found in the nucleoplasm, with low levels detected in the cytoplasm (By similarity). Also found associated with the plasma membrane. Mainly in cytoplasm in a subset of breast tumors. Localization is widely deregulated in endometrial cancers with predominantly cytoplasm localization in high-grade endometrial tumors.
Tissue Specificity	Widely expressed.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse kidney, using PELP1 Antibody(AAA47114)PELP1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PELP1 Antibody (AAA47114)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Western blot analysis of PELP1 expression in 293T cell lysate (AAA47114).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PELP1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PELP1

ADDITIONAL INFORMATION

Related Product Information for anti-PELP1 antibody	Coactivator of estrogen receptor-mediated transcription and a corepressor of other nuclear hormone receptors and sequence- specific transcription factors. Plays a role in estrogen receptor (ER) genomic activity when present in the nuclear compartment by activating the ER target genes in a hormonal stimulation dependent manner. Can facilitate ER non-genomic signaling via SRC and PI3K interaction in the cytosol. Plays a role in E2-mediated cell cycle progression by interacting with RB1. May have important functional implications in ER/growth factor cross-talk. Interacts with several growth factor signaling components including EGFR and HRS. Involved in nuclear receptor signaling via its interaction with AR and NR3C1. May promote tumorigenesis via its interaction with and modulation of several oncogenes including SRC, PI3K, STAT3 and EGFR. Plays a role in cancer cell metastasis via its ability to modulate E2-mediated cytoskeleton changes and cell migration via its interaction with SRC and PI3K. Functions as the key stabilizing component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes.
Product Categories/Family for anti-PELP1 antibody	Signal Transduction ; Signaling Pathway ; Nuclear Signaling ; nuclear hormone Receptors ; Co-Activators/Co-Repressors ; Epigenetics and Nuclear Signaling ; Nuclear Signaling Pathways ; nuclear Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	503774456
NCBI GeneID	27043
NCBI Accession #	NP_001265170.1
NCBI GenBank Nucleotide #	NM_001278241.1
UniProt Accession #	Q8IZL8; O15450; Q5EGN3; Q6NTE6; Q96FT1; Q9BU60
Molecular Weight	119700 MW
NCBI Official Full Name	proline-, glutamic acid- and leucine-rich protein 1 isoform 2
NCBI Official Synonym Full Names	proline, glutamate and leucine rich protein 1
NCBI Official Symbol	PELP1
NCBI Official Synonym Symbols	MNAR; P160
NCBI Protein Information	proline-, glutamic acid- and leucine-rich protein 1
UniProt Protein Name	Proline-, glutamic acid- and leucine-rich protein 1
UniProt Gene Name	PELP1
UniProt Synonym Gene Names	HMX3; MNAR

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pelp1-antibody-western-blot-immunohistochemistry-elisa/47114>