

Rabbit Phospho1 Polyclonal Antibody | anti-PHOSPHO1 antibody

Phospho1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329026	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(88%)	ELISA

PRODUCT SYNONYMS

Phospho1; Polyclonal Antibody; Phospho1 Antibody; PHOP1_HUMAN; Phosphatase orphan 1; Phospho 1; phospho1; Phosphoethanolamine/phosphocholine phosphatase; anti-PHOSPHO1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho1 Antibody detects endogenous levels of total Phospho1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid.
Concentration	1mg/ml (varies by lot)
Sequence Length	292
Applicable Applications for anti-PHOSPHO1 antibody	ELISA
Immunogen	A synthesized peptide derived from human Phospho1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment

IMAGES



IHC (Immunohistochemistry)

AAA329026 at 1/100 staining Mouse heart 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 primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Hela cells, using Phospho1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PHOSPHO1 antibody	Function: Phosphatase that has a high activity toward phosphoethanolamine (PEA) and phosphocholine (PCho). Involved in the generation of inorganic phosphate for bone mineralization. Tissue Specificity: Expressed at sites of mineralization in bone and cartilage. Highly expressed in osteoblast cell line SaOS-2 which produces a mineralized matrix, but not in MG-63 cell line, which do not mineralize. Similarity: Belongs to the HAD-like hydrolase superfamily. PHOSPHO family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219689097
NCBI GeneID	162466
NCBI Accession #	NP_001137276.1
NCBI GenBank Nucleotide #	NP_001137276.1
UniProt Accession #	Q8TCT1
Molecular Weight	Observed Molecular Weight: (Observed)29kD. Predicted Molecular Weight: (Calculated)30kDa.
NCBI Official Full Name	phosphoethanolamine/phosphocholine phosphatase isoform 1
NCBI Official Synonym Full Names	phosphoethanolamine/phosphocholine phosphatase 1
NCBI Official Symbol	PHOSPHO1
NCBI Protein Information	phosphoethanolamine/phosphocholine phosphatase
UniProt Protein Name	Phosphoethanolamine/phosphocholine phosphatase
UniProt Gene Name	PHOSPHO1
UniProt Entry Name	PHOP1_HUMAN

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/polyclonal/phospho1-antibody-elisa/329026>