

Rabbit anti-Human, mouse PROX-1-S514 Polyclonal Antibody | anti-PROX1 antibody

PROX-1-S514 Antibody

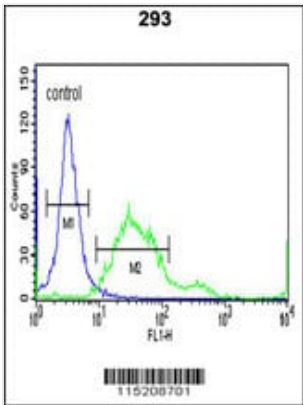
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28650	Rabbit	Human, mouse	Western Blot, ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

PROX-1-S514; Polyclonal Antibody; PROX-1-S514 Antibody; Prospero homeobox protein 1; Homeobox prospero-like protein PROX1; PROX-1; PROX1; anti-PROX1 antibody

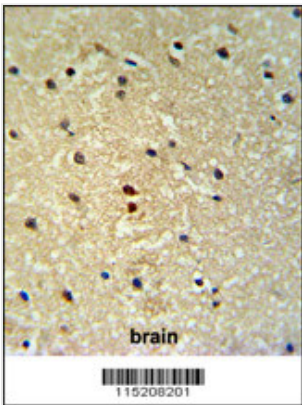
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PROX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 492-520 amino acids from human PROX1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	492-520
Sequence Length	737
Applicable Applications for anti-PROX1 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB~~1:1000
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



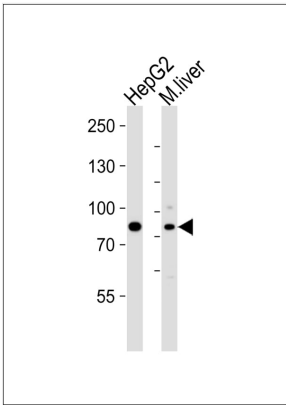
FCM (Flow Cytometry)

PROX-1-S514 Antibody flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



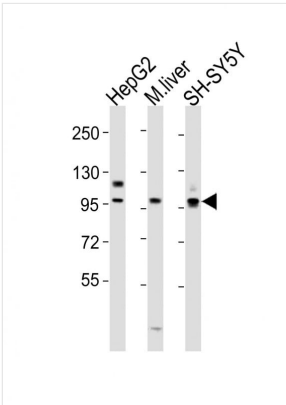
IHC (Immunohistochemistry)

PROX-1-S514 Antibody IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PROX-1-S514 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



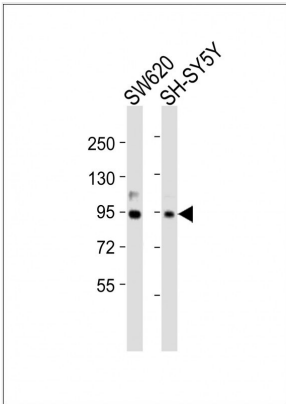
WB (Western Blot)

Western blot analysis of lysates from HepG2 cell line and mouse liver tissue lysate(from left to right), using PROX-1 Antibody (S514). AAA28650 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



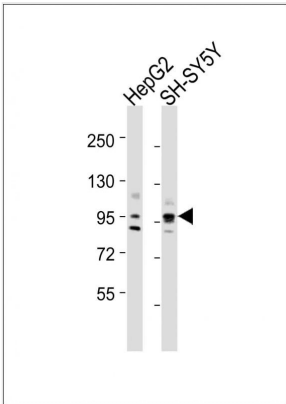
WB (Western Blot)

All lanes : Anti-PROX-1-S514 Antibody at 1:2000 dilutionLane 1: HepG2 whole cell lysatesLane 2: mouse liver lysatesLane 3: SH-SY5Y whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 83 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



WB (Western Blot)

All lanes : Anti-PROX-1-S514 Antibody at 1:2000 dilutionLane 1: SW620 whole cell lysatesLane 2: SH-SY5Y whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 83 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



WB (Western Blot)

All lanes : Anti-PROX-1-S514 Antibody at 1:1000 dilutionLane 1: HepG2 whole cell lysatesLane 2: SH-SY5Y whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 83 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PROX1 antibody	Apolipoprotein H has been implicated in a variety of physiologic pathways including lipoprotein metabolism, coagulation, and the production of antiphospholipid autoantibodies. APOH may be a required cofactor for anionic phospholipid binding by the antiphospholipid autoantibodies found in sera of many patients with lupus and primary antiphospholipid syndrome, but it does not seem to be required for the reactivity of antiphospholipid autoantibodies associated with infections.
Product Categories/Family for anti-PROX1 antibody	Cardiovascular; Neuroscience
References	Davila, S., et al. Genes Immun. 11(3):232-238(2010) Zhang, C., et al. Clin. Chim. Acta 411 (5-6), 395-399 (2010) Suresh, S., et al. FEBS J. 277(4):951-963(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	397174762
NCBI GeneID	5629
NCBI Accession #	NP_001257545.1; NP_002754.2
NCBI GenBank Nucleotide #	NM_001270616.1
UniProt Accession #	Q92786; Q5SW76; Q8TB91; A6NK29; A8K2B1
Molecular Weight	83203
NCBI Official Full Name	prospero homeobox protein 1
NCBI Official Synonym Full Names	prospero homeobox 1
NCBI Official Symbol	PROX1
NCBI Protein Information	prospero homeobox protein 1
UniProt Protein Name	Prospero homeobox protein 1
UniProt Gene Name	PROX1
UniProt Synonym Gene Names	PROX-1
UniProt Entry Name	PROX1_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/prox-1-s514-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/28650>