

Rabbit anti-Human, Mouse PIPOX Polyclonal Antibody | anti-PIPOX antibody

PIPOX Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322595	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PIPOX; Polyclonal Antibody; PIPOX Antibody; L pipecolate oxidase; L pipecolic acid oxidase; L-pipecolate oxidase; L-pipecolic acid oxidase; LPIPOX; Peroxisomal sarcosine oxidase; Pipecolic acid oxidase; PSO; Sarcosine oxidase subunit alpha; SOX_HUMAN; anti-PIPOX antibody

PRODUCT SPECIFICATIONS

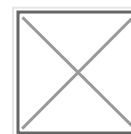
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PIPOX antibody detects endogenous levels of total PIPOX
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	390
Applicable Applications for anti-PIPOX antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PIPOX
Subcellular Location	Peroxisome.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322595 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of PIPOX using HeLa whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PIPOX antibody	Function: Metabolizes sarcosine, L-pipecolic acid and L-proline. Subunit Structure: Monomer. Similarity: Belongs to the MSOX/MTOX family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60499001
NCBI GeneID	51268
NCBI Accession #	NP_057602.2
NCBI GenBank Nucleotide #	NM_016518.2
UniProt Accession #	Q9P0Z9; Q96H28; Q9C070; B3KNH0
Molecular Weight	Observed: 44 kDa Predicted: 45 kDa
NCBI Official Full Name	peroxisomal sarcosine oxidase
NCBI Official Synonym Full Names	pipecolic acid and sarcosine oxidase
NCBI Official Symbol	PIPOX
NCBI Official Synonym Symbols	LPIPOX
NCBI Protein Information	peroxisomal sarcosine oxidase
UniProt Protein Name	Peroxisomal sarcosine oxidase
UniProt Gene Name	PIPOX
UniProt Synonym Gene Names	LPIPOX; PSO; PSO

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/pipox-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322595>