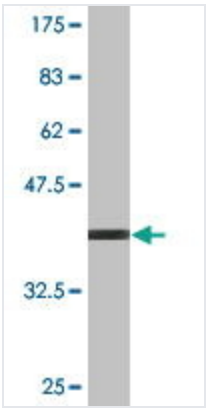
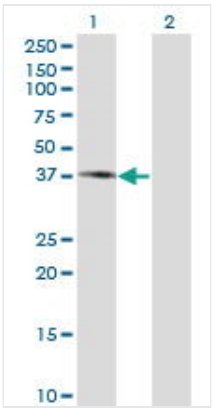
PIPOX Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

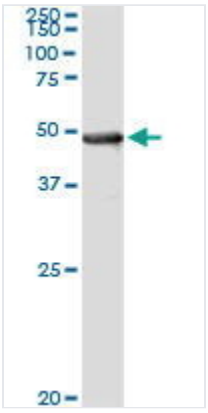
Product Name	PIPOX, Monoclonal Antibody
Full Product Name	PIPOX (Peroxisomal Sarcosine Oxidase, PSO, L-pipecolate Oxidase, L-pipecolic Acid Oxidase, LPIPOX, PSO) (AP)
Product Gene Name	anti-PIPOX antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3D1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PIPOX.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	44,066 Da
Immunogen	Partial recombinant corresponding to aa292-384 from human PIPOX (AAH27622.1) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	IGDVQILSSFVRDHLPDLKPEPAVIESCMYTNTPDEQFILDRHPKYDNIVIGAGFSGHGFKLAPVVGKILYELSMKLTPSYDLAPFRISRFPG
Conjugate	AP
Product Categories/Family for anti-PIPOX antibody	Antibodies; Enzymes; Oxidase
Applications Tested/Suitable for anti-PIPOX antibody	ELISA (EIA), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-PIPOX antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PIPOX antibody	MBS6132968 is an antibody targeting PIPOX. Also known as PIPOX (Peroxisomal Sarcosine Oxidase, PSO, L-pipecolate Oxidase, L-pipecolic Acid Oxidase, LPIPOX, PSO) (AP). Reactive in Human. Host: Mouse. Metabolizes sarcosine, L-pipecolic acid and L-proline.
Other Notes	Small volumes of anti-PIPOX antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PIPOX antibody
Western Blot detection against Immunogen (36.23kD).



Western Blot (WB) of anti-PIPOX antibody
Western Blot analysis of PIPOX expression in transfected 293T cell line by PIPOX monoclonal antibody. Lane 1: PIPOX transfected lysate (44.1kD). Lane 2: Non-transfected lysate.



Immunoprecipitation (IP) of anti-PIPOX antibody
Immunoprecipitation of PIPOX transfected lysate using PIPOX monoclonal antibody and Protein A Magnetic Bead and immunoblotted with PIPOX rabbit polyclonal antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PIPOX. It may not necessarily be applicable to this product.

NCBI GI #	34191813
NCBI GeneID	51268
NCBI Accession #	BC027622
NCBI Related Accession #	AAH27622.1
UniProt Secondary Accession #	Q96H28; Q9C070; B3KNH0
UniProt Related Accession #	Q9P0Z9
NCBI Official Full Name	Homo sapiens pipecolic acid oxidase, mRNA
NCBI Official Synonym Full Names	pipecolic acid and sarcosine oxidase
NCBI Official Symbol	PIPOX
NCBI Official Synonym Symbols	LPIPOX
Protein Family	Peroxisomal sarcosine oxidase
NCBI Protein Information	peroxisomal sarcosine oxidase
Research Articles on PIPOX	**1.** Observational study of gene-disease association. (HuGE Navigator)

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