
Product Name: PIPOX Rabbit Polyclonal Antibody**Catalog #: APRab16163**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
Molecular Weight	44kDa

Antigen Information

Gene Name	PIPOX
Alternative Names	PIPOX; LPIPOX; PSO; Peroxisomal sarcosine oxidase; PSO; L-pipecolate oxidase; L-pipecolic acid oxidase
Gene ID	51268.0
SwissProt ID	Q9P0Z9
Immunogen	The antiserum was produced against synthesized peptide derived from human PIPOX. AA range:257-306

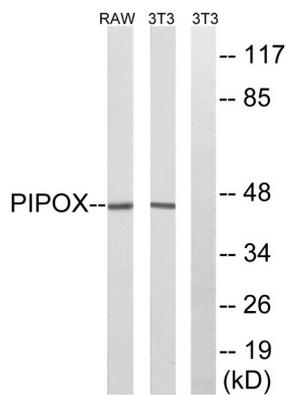
Background

catalytic activity:L-pipecolate + O(2) = 2,3,4,5-tetrahydropyridine-2-carboxylate + H(2)O(2),catalytic activity:Sarcosine + H(2)O + O(2) = glycine + formaldehyde + H(2)O(2),cofactor:Binds 1 FAD per subunit.,function:Metabolizes sarcosine, L-pipecolic acid and L-proline.,similarity:Belongs to the MSOX/MTOX family.,subunit:Monomer.,catalytic activity:L-pipecolate + O(2) = 2,3,4,5-tetrahydropyridine-2-carboxylate + H(2)O(2),catalytic activity:Sarcosine + H(2)O + O(2) = glycine + formaldehyde + H(2)O(2),cofactor:Binds 1 FAD per subunit.,function:Metabolizes sarcosine, L-pipecolic acid and L-proline.,similarity:Belongs to the MSOX/MTOX family.,subunit:Monomer.,

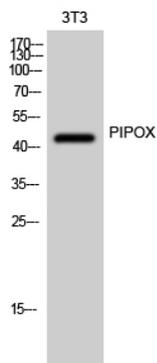
Research Area

Glycine; serine and threonine metabolism;Lysine degradation;

Image Data



Western blot analysis of lysates from NIH/3T3 and RAW264.7 cells, using PIPOX Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of 3T3 cells using PIPOX Polyclonal Antibody