

## PIPOX Polyclonal Antibody

|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YT3736  |
| <b>Reactivity :</b>          | Human;Mouse   |
| <b>Applications :</b>        | WB;ELISA;IHC  |
| <b>Target :</b>              | PIPOX   |
| <b>Fields :</b>              | >>Glycine, serine and threonine metabolism;>>Lysine degradation;>>Metabolic pathways;>>Peroxisome                     |
| <b>Gene Name :</b>           | PIPOX   |
| <b>Protein Name :</b>        | Peroxisomal sarcosine oxidase   |
| <b>Human Gene Id :</b>       | 51268   |
| <b>Human Swiss Prot No :</b> | Q9P0Z9  |
| <b>Mouse Swiss Prot No :</b> | Q9D826  |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human PIPOX. AA range:257-306                     |
| <b>Specificity :</b>         | PIPOX Polyclonal Antibody detects endogenous levels of PIPOX protein.   |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Concentration :</b>       | 1 mg/ml   |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)  |

**Observed Band :** 44kD

**Cell Pathway :** Glycine; serine and threonine metabolism;Lysine degradation;

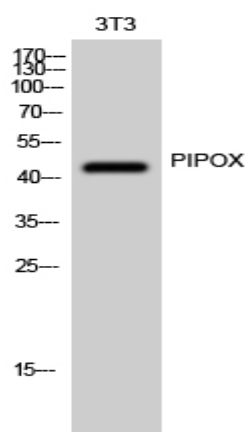
**Background :** catalytic activity:L-pipecolate + O(2) = 2,3,4,5-tetrahydropyridine-2-carboxylate + H(2)O(2).,catalytic activity:Sarcosine + H(2)O + O(2) = glycine + formaldehyde + H(2)O(2).,cofactor: Binds 1 FAD per subunit.,function:Metabolizes sarcosine, L-pipecolic acid and L-proline.,similarity:Belongs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

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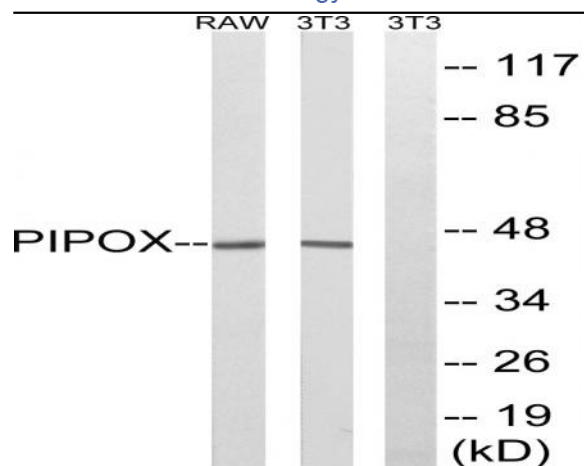
**Subcellular Location :** Peroxisome .

**Expression :** Expressed in the liver and kidney.

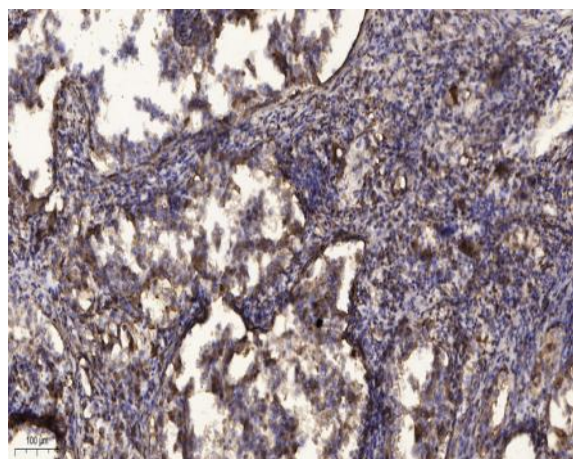
## Products Images



Western Blot analysis of 3T3 cells using PIPOX Polyclonal Antibody



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.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).