

Anti-MAOB Antibody (1T245)

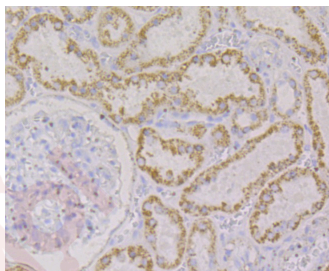
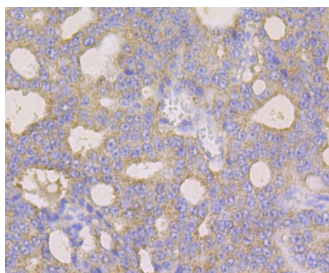
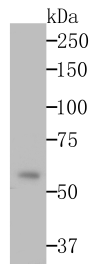
Product Details

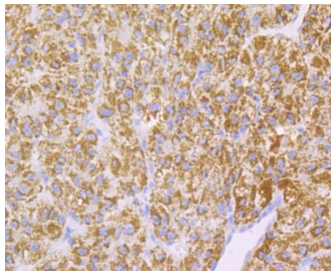
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 59 kDa.
Clone:	1T245
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Monoamine Oxidase B on human liver tissue lysates using anti-Monoamine Oxidase B antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-Monoamine Oxidase B antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Monoamine Oxidase B antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Monoamine Oxidase B antibody. Counter stained with hematoxylin.





Application: IHC, WB

Recommended WB: 1:500; IHC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human Monoamine Oxidase B aa 1-200

Antigen Species: human

Uniprot ID: P27338

Research Background

Monoamine oxidase (MAO) is an enzyme of the mitochondrial outer membrane and catalyzes the oxidative deamination of biogenic amines throughout the body. MAO is critical in the neuronal metabolism of catecholamine and indolamine transmitters. Cultured skin fibroblasts show both MAO-A and MAO-B and both MAOs differ in molecular structure. MAO-A, the primary type in fibroblasts, preferentially degrades serotonin and norepinephrine. Only MAO-B is present in platelets and only MAO-A is present in trophoblasts. MAO-B, the primary type found not only in platelets but also in the brain of man and other primates, preferentially degrades phenylethylamine and benzylamine. MAO has been of particular interest to psychiatry and genetics because of the suggestion that low activity is a 'genetic marker' for schizophrenia. The genes which encode MAO-A and MAO-B map to human chromosome Xp11.23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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