

## MAOB polyclonal antibody

Catalog: BS90821

Host: Rabbit

Reactivity: Human

### 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

59 kDa

### Swiss-Prot:

P27338(Human)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500

IHC:1:50-1:200

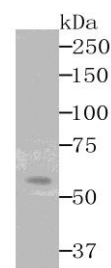
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

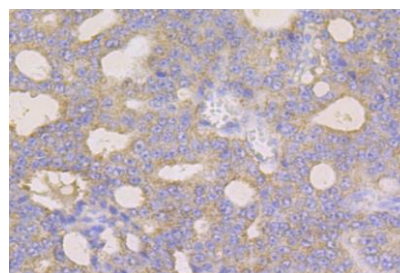
### Specificity:

MAOB polyclonal antibody detects endogenous levels of MAOB protein.

### DATA:



Western blot analysis of Monoamine Oxidase B on human liver tissue lysates using anti-Monoamine Oxidase B antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-Monoamine Oxidase B antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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