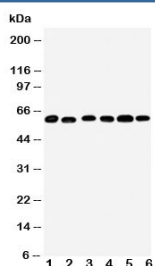


Monoamine Oxidase B Antibody (R30733)

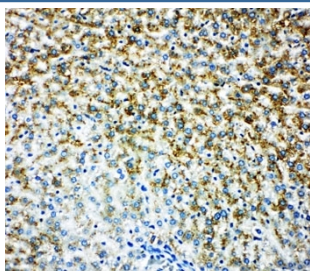
Catalog No.	Formulation	Size
R30733	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q8BW75
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This Monoamine Oxidase B antibody is available for research use only.



Western blot testing of Monoamine Oxidase B antibody and Lane 1: mouse liver; 2: (m) lung; 3: rat kidney; 4: (r) brain; 5: (r) liver; 6: (r) lung tissue lysate



IHC-P: Monoamine Oxidase B antibody testing of rat liver tissue

Description

Monoamine oxidase B is a protein that in humans is encoded by the MAOB gene. It is a member of the flavin monoamine oxidase family. MAOB catalyzes the oxidative deamination of biogenic and xenobiotic amines and plays an important role in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. This protein preferentially degrades benzylamine and phenylethylamine. Like MAOA, it also degrades dopamine. MAOB is involved in the breakdown of dopamine, a neurotransmitter implicated in reinforcing and motivating behaviors as well as movement. MAOB inhibition is, therefore, associated with enhanced activity of dopamine, as well as with decreased production of hydrogen peroxide, a source of reactive oxygen species.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Monoamine Oxidase B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of mouse Monoamine Oxidase B (RTYTIRNKNVKYVDL) was used as the immunogen for this Monoamine Oxidase B antibody (100% rat homology).

Storage

After reconstitution, the Monoamine Oxidase B antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.