


Product datasheet

Anti-Monoamine Oxidase A antibody ab90710

1 Image

Overview

Product name	Anti-Monoamine Oxidase A antibody
Description	Rabbit polyclonal to Monoamine Oxidase A
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Pig, Chimpanzee, Zebrafish 
Immunogen	Synthetic peptide corresponding to a region within internal amino acids 180 - 229 (INVTSEPEHV SALWFLWYVK QCGGTRIFS VTNGGQERKF VGGSGQVSER) of Human Monoamine Oxidase A (NP_000231). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human fetal liver lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab90710** in the following tested applications.

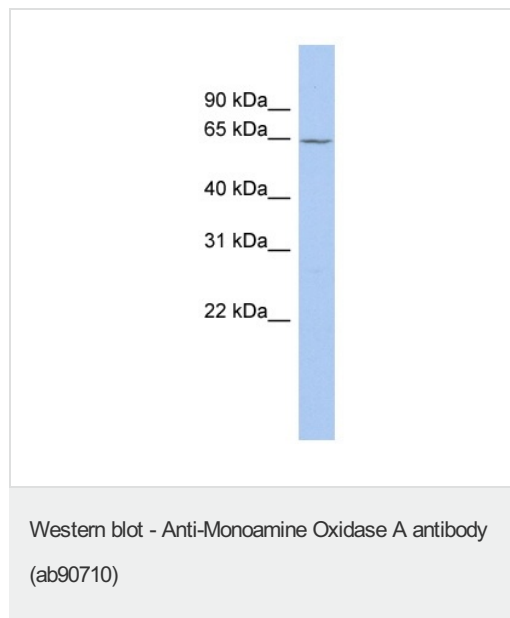
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 60 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine.
Tissue specificity	Heart, liver, duodenum, blood vessels and kidney.
Involvement in disease	Defects in MAOA are the cause of Brunner syndrome (BRUNS) [MIM:300615]. Brunner syndrome is a form of X-linked non-dysmorphic mild mental retardation. Male patients are affected by a syndrome of borderline mental retardation and exhibit abnormal behavior, including disturbed regulation of impulsive aggression. Obligate female carriers have normal intelligence and behavior.
Sequence similarities	Belongs to the flavin monoamine oxidase family.
Cellular localization	Mitochondrion outer membrane.

Images



Anti-Monoamine Oxidase A antibody (ab90710) at 1 µg/ml (in 5% skim milk / PBS buffer) + Human fetal liver lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 60 kDa

12% gel

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