

Anti-Conjugated 3-MT antibody

Ref: IS1019

Clonality	Polyclonal
Host	Rabbit
Applications	<u>IHC</u> / IF
Species reactivity	Reacts with all species
References	Not yet cited to our knowledge.
Format	50µl

Product information

Product overview

Product name	Anti-conjugated 3-MT antibody
Synonyms	Anti-3-Methoxytyramine polyclonal antibody Anti-3-methoxy-4-hydroxyphenethylamine antibody Rabbit 3-Methoxy-tyramine polyclonal antibody 3-MT polyclonal antibody
Immunogen	Conjugated 3-Methoxytyramine
Specificity	When tested in competitive ELISA, the anti-conjugated 3-Methoxytyramine antibody did not show any significant cross-reactivity with competitors Tyramine and Dopamine conjugates.
Lot number	140801

Reconstitution & storage

Form	Lyophilized powder
Purity	Purified anti-serum
Storage	Store at 4 °C
Storage buffer	Before use, vial should be resuspended in 50 µL of ultrapure water. Store at +4 °C for short term (1-2 weeks). Aliquot and store at -20 C for long term. Avoid repeated freeze / thaw cycles

Applications

Immunohistochemistry (IHC) Optimal working conditions must be determined by the end-user.

Immunofluorescence (IF) Optimal working conditions must be determined by the end-user.

Restrictions For research use only

References

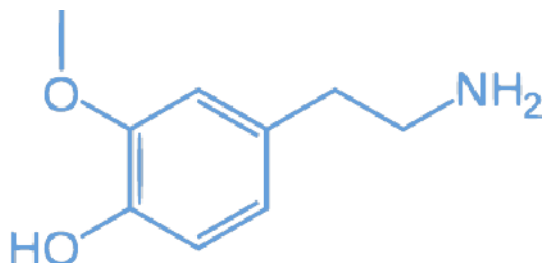
Antibody not yet cited.

Selected publications on 3-Methoxytyramine:

- van Duinen N et al. Plasma levels of free metanephrines and 3-methoxytyramine indicate a higher number of biochemically active HNPGL than 24-h urinary excretion rates of catecholamines and metabolites. *Eur J Endocrinol.* 2013 Aug 28;169(3):377-82
- Sotnikova TD et al. The dopamine metabolite 3-methoxytyramine is a neuromodulator. *PLoS One.* 2010 Oct 18;5(10):e13452.
- Alachkar A, Brotchie JM, Jones OT. Binding of dopamine and 3-methoxytyramine as I-DOPA metabolites to human alpha(2)-adrenergic and dopaminergic receptors. *Neurosci Res.* 2010 Jul;67(3):245-9.

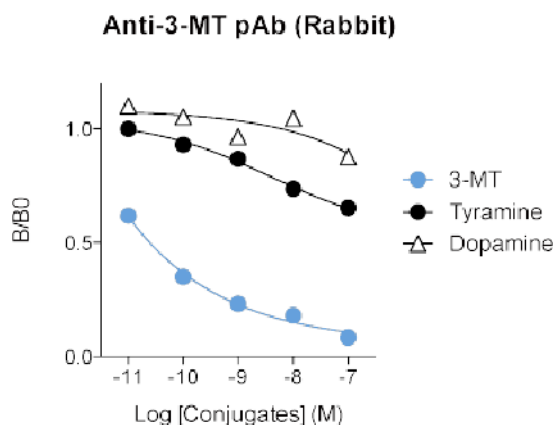
Pictures

3-Methoxytyramine (3-MT)



Affinity & specificity of anti-3-MT antibody

Competitive ELISA demonstrates that low amounts of 3-methoxytyramine conjugate are required to abolish antigen-antibody reaction (high affinity), while rising concentrations of Tyramine and Dopamine conjugates do not affect reaction (high specificity).



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