Xanthurenic acid Antibody – Rabbit Polyclonal

Ref: IS1014

IS1014 was the first anti-Xanthurenic acid cited in the literature, by Roussel *et al.,* in 2016. In this paper, this highly affine rabbit pAb was used to label Xanthurenic acid in mouse brain tissue sections and rat primary neurons.

Clonality	Polyclonal
Host	Rabbit (see anti-XA mouse mAb)
Applications	IHC / IF
Reactivity	Reacts with all species
Format	50µL
Reference	Roussel et al, Neuroscience, 2016

INFORMATIONS

Product overview

Product name	Xanthurenic acid polyclonal antibody
Synonyms	Anti-Xanthurenic acid polyclonal antibody 8-Hydroxy-4-oxo-1H-quinoline-2-carboxylic acid polyclonal antibody Xanthuric acid polyclonal antibody Xanthurenate polyclonal antibody 8-Hydroxykynurenic acid polyclonal antibody
Immunogen	Conjugated Xanthurenic acid
Specificity	When tested in competitive ELISA, the anti-conjugated Xanthurenic acid antibody did not display any significant cross-reactivity with analog Kynurenic acid conjugate

Reconstitution & storage

Form	Liquid
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 months). Aliquot and store at -20°C for long term. Avoid repeated freeze / thaw cycles
Material safety datasheet	Download MSDS

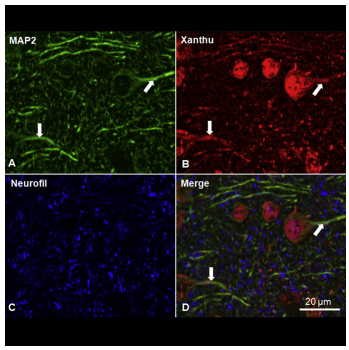
PROTOCOLS

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

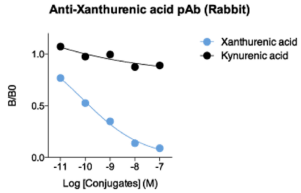
Product citation

Product pictures



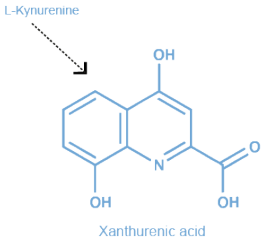
Xanthurenic acid in mouse brain tissue sections

Published by Roussel et al., in 2016. Staining in mouse cortical tissues sections evidence the presence of Xanthurenic acid in cortical neurons (bodies and dendrites), and its absence from axons.



Affinity & specificity of Xanthurenic acid polyclonal antibody

Competitive ELISA demonstrates that low amounts of Xanthurenic acid conjugate are required to abolish antigen-antibody reaction (high affinity), while rising concentrations of Kynurenic acid conjugate do not affect reaction (high specificity).



Xanthurenic acid (XA)

Xanthurenic acid is a downstream metabolite of the kynurenine pathway, synthesized from 3-hydroxy-Kynurenine. Xanthurenic acid is know for its specific role in a signaling cascade involved in mosquitoes' gamete maturation. Very few data is available on the role of XA in mammals. Recently, Xanthurenic acid was shown to bind GPCRs. An agonist action of the metabolite on group II metabotropic glutamate receptor has also been proposed.

Contact information

Immusmol
229 Cours de l'Argonne
33 000 Bordeaux - France
Tel: +33 (0) 5 6431 1170
www.immusmol.com

To order, review, ask for technical support, visit product page at:

https://www.immusmol.com/shop/xanthurenic-acid-pab/