Picolinic acid Antibody – Rabbit Polyclonal

Ref: IS1015

This is the first and only anti-Picolinic acid antibody available for research use. Confirmed to be highly specific and affine by competitive ELISA, this rabbit polyclonal antibody is undergoing validation for IHC and IF use.

Clonality	Polyclonal
Host	Rabbit
Applications	IHC / IF
Reactivity	Reacts with all species
Format	50µl

INFORMATIONS

Product overview

Product name	Picolinic acid antibody
Synonyms	Pyridine-2-carboxylic acid antibody
Immunogen	Conjugated picolinic acid
Specificity	When tested in competitive ELISA, the anti-Picolinic acid antibody did not show any significant cross reactivity with analog Quinolinic acid

Storage

Form	Liquid
Purity	Purified anti-serum
Storage	Store at 4°C
Storage buffer	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

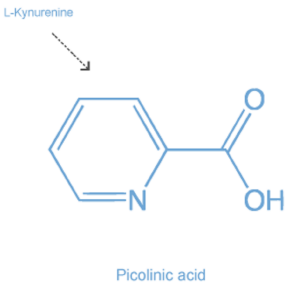
PROTOCOLS

Immunocytochemistry(ICC)	Dilute at 1:200-1:2000. Perform heat antigen retrieval (pH=6) before initiating IHC staining protocol on paraffin-embedded and frozen sections
Immunohistochemistry (IHC)	Dilute at 1:100-1:1000 on paraffin-embedded and frozen sections. Perform heat antigen retrieval and incubate with fluorescent secondary antibody conjugate
Immunohistofluorescence (IHF)	Dilute at 1:100-1:1000 on paraffin-embedded and frozen sections. Perform heat antigen retrieval and incubate with fluorescent secondary antibody conjugate
Comments	Optimal working dilutions must be determined by the end-user
Restrictions	For research use only

REFERENCES

Antibody not yet cited.

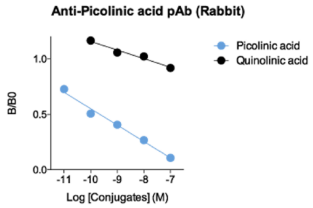
Product pictures



Picolinic acid

Picolinic acid

Picolinic acid is an isomer of nicotinic acid produced through the degradation of L-Tryptophan along the kynurenine pathway. Mostly studied for its chelating properties in the human body, Picolinic is also known for its role in immune response and neuroprotection. The metabolite, which induces macrophage activation through macrophage inhibitory protein- (MIP-) 1α and MIP-1β, was indeed found to exert antimicrobial and antiviral effects. In the brain, it was demonstrated to protect cholinergic neurons from quinolinic acid-induced neurotoxicity.



Affinity & specificity of Picolinic acid polyclonal antibody

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

Contact information

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

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