

# L-Kynurenine Antibody – Rabbit Polyclonal

Ref: IS1012

Validated for IHC in human tumor tissues, this anti-L-Kynurenine (Kyn) rabbit polyclonal antibody proved to work at 1/500 dilution on paraffin-embedded sections, a single vial thus catering for approximately 100 stainings.

<b>Clonality</b>	Polyclonal
<b>Host</b>	Rabbit
<b>Validated applications</b>	<a href="#">IHC</a>
<b>Reactivity</b>	Reacts with all species
<b>References</b>	Not yet cited to our knowledge. Submit content and <a href="#">get a 10% discount!</a>
<b>Format</b>	50µl
<b>References</b>	<a href="#">Cited in 2 papers</a>

## INFORMATIONS

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### Product overview

<b>Product name</b>	L-Kynurenine polyclonal antibody
<b>Synonyms</b>	KYN polyclonal antibody (S)-Kynurenine polyclonal antibody L-2-Amino-4-(2-aminophenyl)-4-oxobutanoic acid antibody Kynurenine polyclonal antibody 3-Anthraniloyl-L-alanine polyclonal antibody
<b>Immunogen</b>	Conjugated L-Kynurenine
<b>Specificity</b>	When tested in competitive ELISA, the anti-L-Kynurenine polyclonal antibody did not show any significant cross reactivity with competitors including anthranilic acid, 3-OH-Kynurenine conjugate and Tryptophan
<b>Storage</b>	
<b>Form</b>	Liquid
<b>Purity</b>	Purified anti-serum
<b>Storage</b>	Store at +4°C for short term (1-2 months). Aliquot and store at -20°C for long term. Avoid repeated freeze / thaw cycles
<b>Material safety datasheet</b>	<a href="#">Download MSDS</a>

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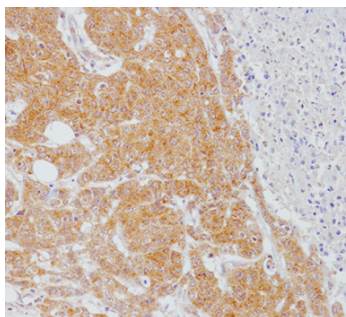
## PROTOCOLS

<b>Immunohistochemistry (IHC)</b>	Dilute at 1:100-1:1000. Perform heat antigen retrieval (pH=6) before initiating IHC staining protocol on paraffin-embedded and frozen sections
<b>Comments</b>	Optimal working dilutions must be determined by the end-user
<b>Restrictions</b>	For research use only

## REFERENCES

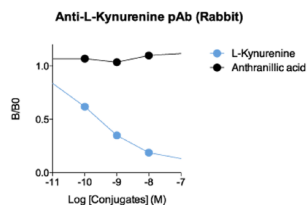
### Product citations

## Product pictures



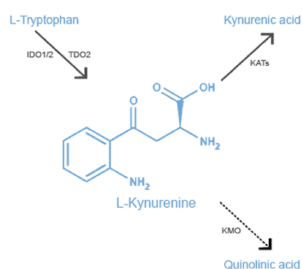
### L-Kynurenine accumulation in human colorectal tumor by IHC

Immunohistochemical analysis reveals cytoplasmic accumulation of L-Kynurenine in tumour cells in human colorectal cancer tissue. Paraffin-embedded tissue section was subjected to pH=6 antigen retrieval, and overnight incubation with primary anti-KYN polyclonal antibody (1/500 dilution). A polymer-conjugated secondary Ab was added and immunostaining was revealed using DAB.



### Affinity & specificity of L-Kynurenine polyclonal antibody

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



## L-Kynurenine

L-Kynurenine, the first stable by-product of the kynurenine pathway, is synthesized from L-Tryptophan by indoleamine 2,3-dioxygenase (IDO1/2) or tryptophan 2,3-dioxygenase (TDO2) enzymes. Acting as an endogenous ligand of Aryl hydrocarbon Receptor (AhR), L-Kynurenine exerts anti-inflammatory effects and promotes glioma progression. L-kynurenine is also widely used as a biomarker of tryptophan catabolism and kynurenine pathway activation in immune-related and neurological disorders.

## Contact information

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

<https://www.immusmol.com/shop/l-kynurenine-pab/>