Recombinant KYNU Monoclonal Antibody

catalog number: AN300078P

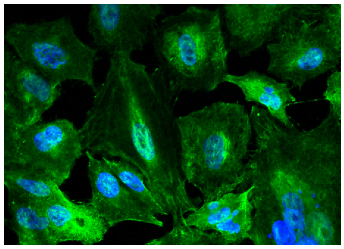
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

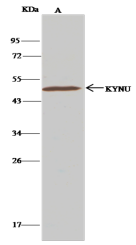
Reactivity	Human
Immunogen	Recombinant Human KYNU Protein
Host	Rabbit
Isotype	IgG
Clone	12G4
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:1000
ICC/IF	1:20-1:100
IP	0.2-1 μL/mg of lysate

Data



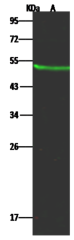
Immunofluorescence analysis of KYNU in A549 cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-human KYNU Monoclonal Antibody (dilution ratio 1:60) at 4℃ overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI for nuclear staining (blue).Positive staining was localized to Cytoplasm.



Immunoprecipitation analysis using 0.5 μL anti-KYNU-HIS Monoclonal Antibody and 15 μl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using KYNU-HIS Monoclonal Antibody at a dilution of 1:500. Lane A:0.5 mg A549 Whole Cell Lysate

Observed-MW:52 kDa

Calculated-MW:52 kDa



Western Blot with KYNU Monoclonal Antibody at dilution of 1:500. Lane A: A549 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:52 kDa

Calculated-MW:52 kDa

Preparation & Storage

Storage	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Kynureninase is a pyridoxal-5'-phosphate (pyridoxal-P) dependent enzyme that catalyzes the cleavage of L-kynurenine and L-3-hydroxykynurenine into anthranilic and 0-hydroxyanthranilic acids, respectively. Kynureninase is involved in the biosynthesis of NAD cofactors from tryptophan through the kynurenine pathway. Alternative splicing results in multiple transcript variants.

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