OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AP33374SU-N Polyclonal Antibody to L-Kynurenic Acid - Serum

Alternate names: 4-hydroxyquinoline-2-carboxylic acid, KynA, kinurenic acid, kynuronic acid, quinurenic acid, transtorine

Quantity: 0.1 ml

Background: Kynurenic acid (KYNA or KYN) is a product of the normal metabolism of amino acid L-tryptophan. It has been shown that kynurenic acid possesses neuroactive activity. It acts as an antiexcitotoxic and anticonvulsant, most likely through acting as an antagonist at excitatory amino acid receptors. Because of this activity, it may influence important neurophysiological and neuropathological processes. As a result, kynurenic acid has been considered for use in therapy in certain neurobiological disorders. Conversely, increased levels of kynurenic acid have also been linked to certain pathological conditions.
Kynurenic acid was discovered in 1853 by the German chemist Justus von Liebig in dog urine, which it was apparently named after. (1)
It is formed from L-kynurenine in a reaction catalyzed by the enzyme kynurenine—oxoglutarate transaminase.

Host: Rabbit

Immunogen: L-Kynurenic Acid KLH-conjugated

Format: **State:** Lyophilized Serum
Reconstitution: Restore in aqua bidest to initial volume

Applications: **ELISA:** 1/8000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects L-Kynurenic acid.
Cross reactivity obtained with 3-Hydroxy-Kynurenine, was less than 0.2%.
Thre was no no cross reactivity obtained with Indole Serotonin, or Quinoline.

Add. Information: **CAS numbe:** 492-27-3
Molecular formula: C10H7NO3
Molar mass: 189.168 g/mol
Melting point: 282.5°C

Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: 1. Liebig, J., Uber Kynurensäure, Justus Liebigs Ann. Chem., 86: 125-126, 1853.