

DATASHEET

Version: 2016-08-17

p35 Antibody, pAb, Rabbit

Cat. No.: A01423-40

Size: 40 µg

Synonyms: Cyclin-dependent kinase 5 activator 1 antibody;

Description:

Cyclin-dependent kinase 5 (Cdk5) is a member of the Cdk family of proteins that are involved in the regulation of the mitotic cell cycle. p35 protein is neuronal-specific regulatory subunit of Cdk5 and activates Cdk5 via its direct interaction. p35/Cdk5 activity is essential for neuronal morphogenesis and survival. p35 is cleaved by the Ca^{2+} dependent Cys protease calpain, which results in the generation of a C-terminal truncation product named p25. Containing all elements necessary for the activation of Cdk5, p25 activates Cdk5. Generation of p25 in the nervous system has been implicated in patients with Alzheimer's disease. It is suggested that p25/Cdk5 contributes to neuronal cell death after neurotoxic insults.

GenScript **Rabbit Anti-p35 Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide from N-terminal of human p35 protein (Swiss Prot: Q15078).

Immunogen: KLH-coupled synthetic peptide from N-terminal of human p35 protein (Swiss Prot: Q15078)

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-p35 Polyclonal Antibody detects endogenous levels of mouse and rat p35. It is predicted to react with human p35 according to sequence homology.

Positive Control: mouse brain, and rat brain.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 1-2 µg/ml

Other Applications: user-optimized

Species Reactivity: Mouse and rat. This product has not been tested for other species yet.

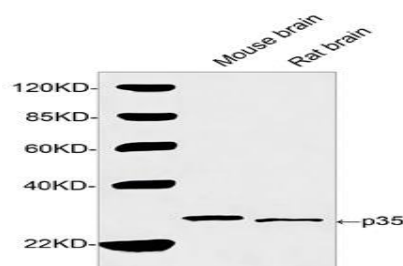
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at $2-8^{\circ}\text{C}$. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Western blot analysis of tissue lysates using 2 µg/ml Rabbit Anti-p35 Polyclonal Antibody (GenScript, A01423)

The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Predicted Size: 35 KD

Observed Size: 35 KD

