

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

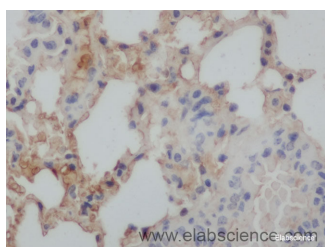
## Description

<b>Reactivity</b>	Mouse,Rat
<b>Immunogen</b>	Recombinant Mouse Beta-amyloid 40 protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

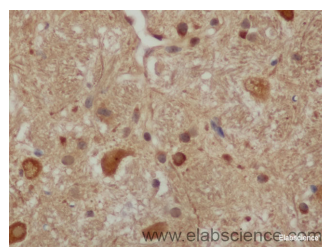
## Applications Recommended Dilution

<b>IHC</b>	1:50-1:100
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## Data



Immunohistochemistry of paraffin-embedded Rat lung using A $\beta$ 40 Polyclonal Antibody at dilution of 1:50



Immunohistochemistry of paraffin-embedded Mouse brain using A $\beta$ 40 Polyclonal Antibody at dilution of 1:50

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

A $\beta$  derives from APP via proteolytic cleavage by proteases called  $\alpha$ -,  $\beta$ - and  $\gamma$ -secretase. The  $\alpha$ -secretase cleavage precludes the formation of A $\beta$ , while the  $\beta$ - and  $\gamma$ -cleavages generate APP components with amyloidogenic features. Amyloid beta A4 precursor protein(APP), encoded by APP gene which locate on human chromosome 21q, is a cell surface receptor and performs physiological functions on the surface of neurons relevant to neurite growth, neuronal adhesion and axonogenesis. APP expressed in all fetal tissues and is pronounced in brain, kidney, heart and spleen, but weak in liver. Defects in APP are the cause of Alzheimer disease type 1 (AD1). This antibody can recognize the N-terminus of human APP: Soluble APP-alpha and Soluble APP-beta.

## For Research Use Only

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