Amyloid-β Rabbit mAb (AR1262)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IHC,IF,IP,ELISA
Isotype:	IgG,Kappa
MW:	87kD (Calculated) 100kD (Observed)

Recommended Dilution Ratios

IHC:	1:200-1000
WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000
IP:	1:50-200

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal

Immunogen Information

Specificity	Endogenous

Target Information

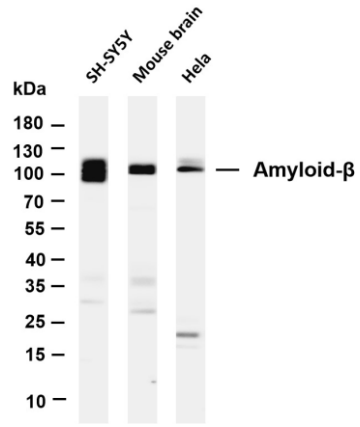
Gene name	APP
Protein Name	Amyloid beta A4 protein, Amyloid-β, Aβ

Organism	Gene ID	UniProt ID
Human	351	P05067
Mouse	11820	P12023
Rat	54226	P08592

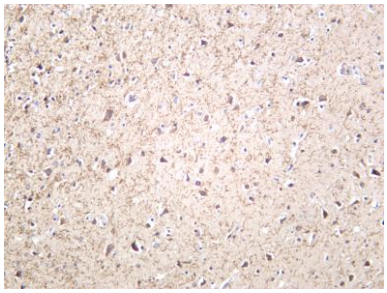
Cellular Localization	Membrane
Tissue specificity	Expressed in the brain and in cerebrospinal fluid (at protein level). Expressed in all fetal tissues examined with highest levels in brain,

kidney, heart and spleen. Weak expression in liver. In adult brain, highest expression found in the frontal lobe of the cortex and in the anterior perisylvian cortex-opercular gyri. Moderate expression in the cerebellar cortex, the posterior perisylvian cortex-opercular gyri and the temporal associated cortex. Weak expression found in the striate, extra-striate and motor cortices. Expressed in cerebrospinal fluid, and plasma. Isoform APP695 is the predominant form in neuronal tissue, isoform APP751 and isoform APP770 are widely expressed in non-neuronal cells. Isoform APP751 is the most abundant form in T-lymphocytes. Appican is expressed in astrocytes.

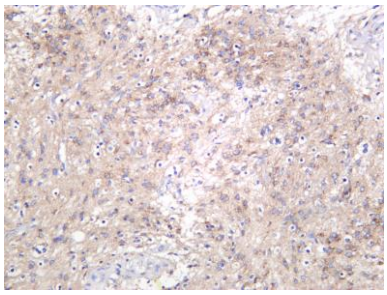
Validation Data



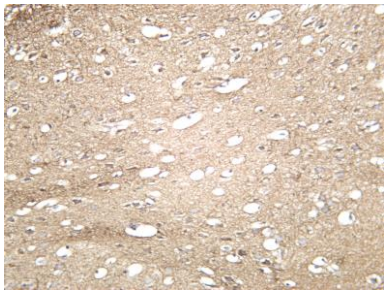
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Amyloid-β antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.
Lane 1: SH-SY5Y
Lane 2: Mouse brain
Lane 3: Hela
Predicted band size: 87kDa
Observed band size: 100kDa



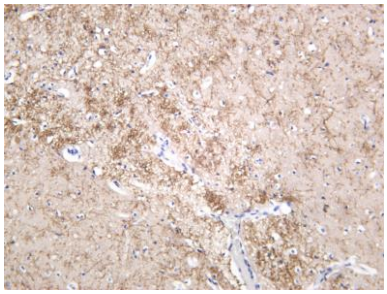
Human brain was stained with anti-Amyloid-β rabbit antibody



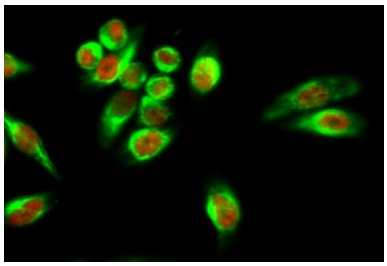
Human gliocytoma was stained with anti-Amyloid-β rabbit antibody



Mouse brain was stained with anti-Amyloid-β rabbit antibody



Rat brain was stained with anti-Amyloid-β rabbit antibody



Immunofluorescence analysis of Hela cell.

1. Amyloid-β Antibody(green) was diluted at 1:200(4° overnight). (red) was diluted at 1:200(4° overnight).
2. Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 594 was diluted at 1:1000(room temperature, 50min).

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