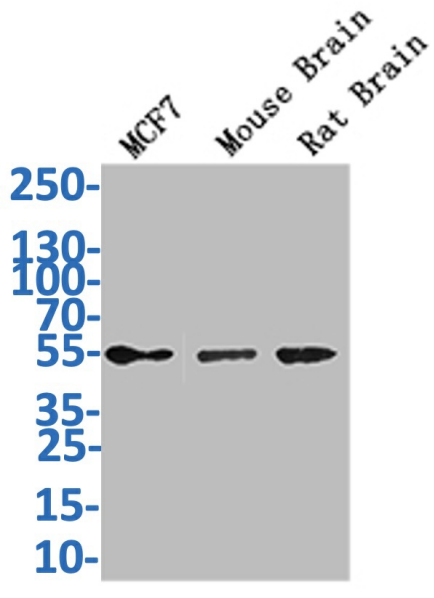
RecomAb™

GFAP recombinant monoclonal antibody, clone 6B12

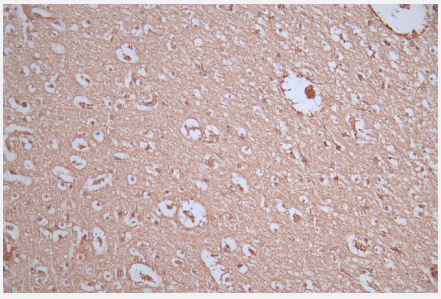
Catalog # RAB07805 Size 100 uL

Applications



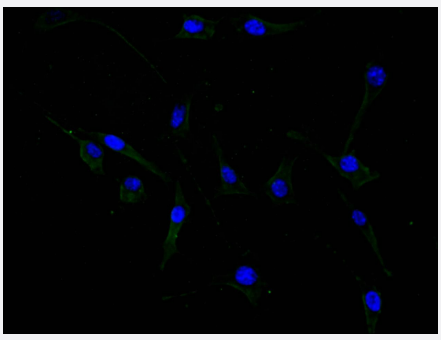
Western Blot

Western Blot analysis of Lane 1: MCF-7 whole cell lysate; Lane 2: Mouse Brain tissue lysate; Lane 3: Rat Brain tissue lysate.



Immunohistochemistry

Immunohistochemistry image of GFAP recombinant monoclonal antibody, clone 6B12 diluted at 1:300 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system.



Immunofluorescence

Immunofluorescence staining of SH-SY5Y Cells with GFAP recombinant monoclonal antibody, clone 6B12 at 1:200, counter-stained with DAPI.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat GFAP.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human GFAP.
Theoretical MW (kDa)	Calculated MW: 50
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western Blot analysis of Lane 1: MCF-7 whole cell lysate; Lane 2: Mouse Brain tissue lysate; Lane 3: Rat Brain tissue lysate.

- Immunohistochemistry

  Immunohistochemistry image of GFAP recombinant monoclonal antibody, clone 6B12 diluted at 1:300 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system.

- Immunofluorescence

  Immunofluorescence staining of SH-SY5Y Cells with GFAP recombinant monoclonal antibody, clone 6B12 at 1:200, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

  Overlay Peak curve showing Jurkat cells stained with GFAP recombinant monoclonal antibody, clone 6B12 (red line) at 1:50.

Gene Info — GFAP

Entrez GeneID	2670
Protein Accession#	P14136
Gene Name	GFAP
Gene Alias	FLJ45472
Gene Description	glial fibrillary acidic protein
Omim ID	137780 203450
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this g ene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alterna tive splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq
Other Designations	-

Disease

- Alzheimer disease
- Cognition