GFAP Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150179

Company： HaoKebio

Uniprot ID:P14136

Organism: Rabbit

Species reactivity: Human

Predicted Molecular Weight:50 kDa

Applications: IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA:1:500-1:1000

Background:

GFAP (Glial Fibrillary Acidic Protein) is an intermediate filament protein with a molecular weight of approximately 50kDa. In the central nervous system, GFAP is expressed in astrocytes and ependymal cells but not in other glial cells. However, it may also be expressed in some immature oligodendrocytes and choroid plexus cells. In the peripheral nervous system, GFAP is expressed in enteric Schwann cells and satellite cells of sensory ganglia. Outside the nervous system, GFAP is also found in myoepithelial cells and chondrocytes. In tumor tissues, astrocytomas, ependymomas, malignant gliomas, oligodendrogliomas, and Schwannomas typically exhibit GFAP positivity. In most cases, chondromas, chondrosarcomas, and pleomorphic adenomas also show GFAP positivity. This marker is primarily used to differentiate gliomas from metastatic tumors.

Protein full name:

Glial fibrillary acidic protein

Synonyms:

GFAP

Immunogen:

Synthetic peptide corresponding to amino acid residues 332–432 of GFAP.

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

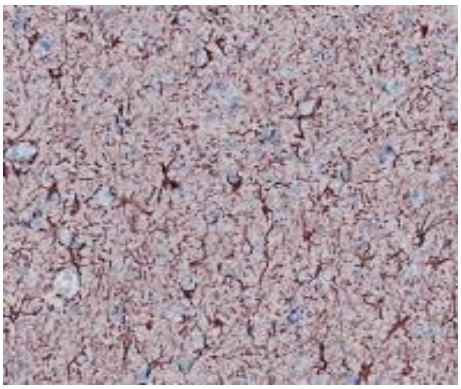
Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 ℃ - 25 ℃) for 30 minutes.

Images:



Immunohistochemical results of GFAP-labeled astrocytoma tissue (formalin-fixed, paraffin-embedded sections) using HKZ150179. Antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).

Source of Reagents:

1. McLendon RE, et al. Brain Tumor Pathol.2002;19(2):51-8. Review.

2. Matyja E, et al. Folia Neuropathol. 2001;39(1):19-26.

Source of Reagents:

发表[中文论文]请标注: GFAP (HKZ150179) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: GFAP (HKZ150179) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.