

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-1173: Monoclonal Antibody to GFAP (Astrocyte & Neural Stem Cell Marker)(Clone : ASTRO/789)

Clonality: Monoclonal ASTRO/789 **Clone Name:** Application: IHC,WB Reactivity: Human Gene: **GFAP** Gene ID: 2670 **Uniprot ID:** P14136 Format: **Purified Alternative Name: GFAP** 

**Isotype :** Mouse IgG1, kappa

Immunogen Information: Recombinant GFAP protein

## **Description**

This MAb recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. Antibody to GFAP is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS.

## **Product Info**

Amount:  $100 \mu g$ 

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

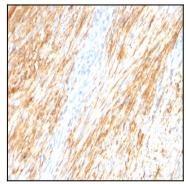
## **Application Note**

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

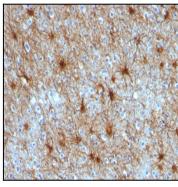


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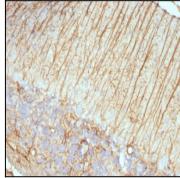
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Formalin-fixed, paraffin-embedded human Schwanoma stained with GFAP Monoclonal Antibody (ASTRO/789).



Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Monoclonal Antibody (ASTRO/789).



Formalin-fixed, paraffin-embedded Rat Cerebellum stained with GFAP Monoclonal Antibody (ASTRO/789).