

## IDH1 R132H Monoclonal Antibody

### ORDERING INFORMATION

Catalog No.	Clone No.	Size
34074	G132.1	100ul

**Format:** Purified antibody in Tris buffer, pH 7.3-7.7, 1% BSA, <0.1% sodium azide.

### BACKGROUND

Isocitrate dehydrogenase 1 (IDH1) is a soluble, cytosolic enzyme involved in the TCA metabolic cycle. Mutations in this enzyme have frequently been identified in astrocytomas, oligodendrogliomas, and oligoastrocytomas as well as in secondary glioblastomas. IDH1 mutations are found much less frequently in primary glioblastomas. The IDH1 mutations are highly specific to a single codon in the conserved and functionally important Arg132 in IDH1.

### DESCRIPTION

**Antigen:** Synthetic peptide corresponding to the region of human IDH1 that includes a point mutation at residue 132 where Arginine (R) is changed to Histidine (H).

**Accession No.:** O75874

**Gene ID:** 3417

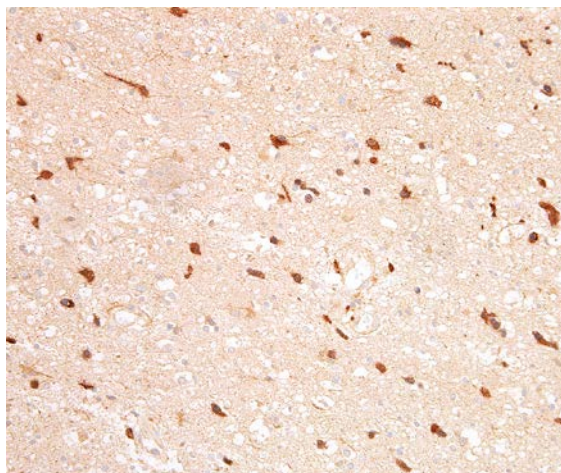
**Host:** Mouse

**Antibody subtype:** IgG1

**Specificity:** Human R132H-IDH1. Reactivity with other species has not been investigated.

### APPLICATIONS

**Immunohistochemistry:** use at a dilution of 1:100-1:200 on formalin-fixed, paraffin-embedded samples after heat-induced epitope retrieval at pH 9 for 10-30 minutes.



Detection of IDH1 R132H in human astrocytoma with #34074 diluted 1:100-1:200.

### STORAGE AND STABILITY

Store at 2-8°C. Do not freeze.

*For in vitro investigational use only. Not for use in diagnostic or therapeutic applications.*