

Isocitrate Dehydrogenase 1 R132H mutant, Recombinant Human
Isocitrate dehydrogenase [NADP] cytoplasmic, R132H, IDH 1 R132H
Catalog # PBV11550r**Specification**

Isocitrate Dehydrogenase 1 R132H mutant, Recombinant Human - Product info

Primary Accession [O75874](#)
Calculated MW **50.9 kDa**

Isocitrate Dehydrogenase 1 R132H mutant, Recombinant Human - Additional Info

Gene ID **3417**
Other Names
Isocitrate dehydrogenase [NADP] cytoplasmic, R132H, IDH 1 R132H

Gene Source **Human**
Source **E. Coli**
Assay&Purity **SDS-PAGE; ≥90%**
Recombinant **Yes**

Application Notes

Reconstitute in deionized water to the final concentration 0.5 mg/ml and incubate the reconstituted protein at 25 °C for 15 minutes.

Format

Lyophilized

Storage

-20°C;N/A

Isocitrate Dehydrogenase 1 R132H mutant, Recombinant Human - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Isocitrate Dehydrogenase 1 R132H mutant, Recombinant Human - Images**Isocitrate Dehydrogenase 1 R132H mutant, Recombinant Human - Background**

Mutations of the cytosolic IDH 1 are a common feature in primary human brain cancers. Arginine 132 (R132) of IDH is highly conserved among different isoforms of IDH and is most commonly mutated to Histidine. Mutation of IDH1 R132H leads to accumulation of R(-)-2-hydroxyglutarate

(2HG), which correlates with an increased risk for malignant brain tumors.