

## Recombinant IDH1 (Isocitrate Dehydrogenase) Antibody

Mouse Monoclonal Antibody [Clone rIDH1/1354]

Catalog No	Format	Size
3417-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3417-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3417-MSM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min 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
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	rIDH1/1354
<b>Immunogen</b>	Recombinant fragment of the human IDH1-R132H protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	46.66kDa
<b>Cellular Localization</b>	Cytoplasm, Cytosol, Peroxisome
<b>Species Reactivity</b>	Human

*\*Optimal dilution for a specific application should be determined.*

### Product Images for Recombinant IDH1 (Isocitrate Dehydrogenase) Antibody

#### Specificity & Comments

Catalyzes the NADP(+)-dependent oxidative decarboxylation of isocitrate (D-threo-isocitrate) to 2-ketoglutarate (2-oxoglutarate), which is required by other enzymes such as the phytanoyl-CoA dioxygenase (PubMed:10521434, PubMed:19935646). Plays a critical role in the generation of NADPH, an important cofactor in many biosynthesis pathways (PubMed:10521434). May act as a corneal epithelial crystallin and may be involved in maintaining corneal epithelial transparency (By similarity).

#### Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.