

## IDH1 antibody

### Product Information

Catalog No.:	FNab04119
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	1G10
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

IDH1, also named as PICD and IDP, belongs to the isocitrate and isopropylmalate dehydrogenases family. It is a common feature of a major subset of primary human brain cancers. It can form a homodimer(PMID:15173171).IDH1 mutation is always heterozygotic and IDH1 functions as a dimer, theoretically there will be 25% each wild type and mutant homo-dimers and 50% hetero-dimers present in the tumor cells(PMID:21079649 ).

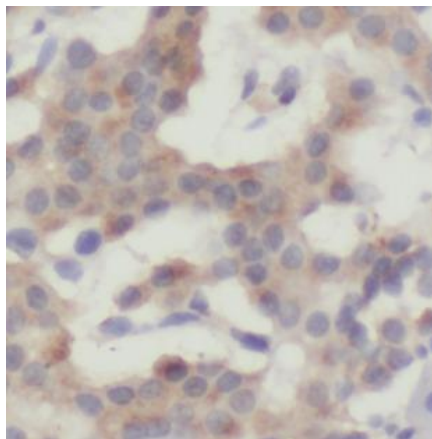
### Immunogen information

Immunogen:	isocitrate dehydrogenase 1(NADP+), soluble
Synonyms:	Isocitrate dehydrogenase [NADP] cytoplasmic (IDH, IDH1) Cytosolic NADP-isocitrate dehydrogenase IDPc NADP(+)-specific ICDH Oxalosuccinate decarboxylase IDH1 PICD
Observed MW:	46 kDa
Uniprot ID :	O75874

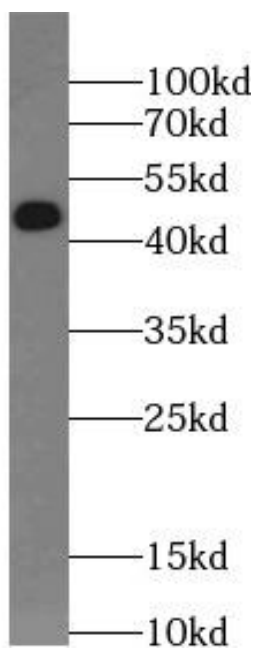
### Application

Reactivity:	Human
Tested Application:	ELISA, WB, IHC, IF
Recommended dilution:	WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human pancreas tissue slide using FNab04119(IDH1 Antibody) at dilution of 1:200



MCF-7 cells were subjected to SDS PAGE followed by western blot with FNab04119(IDH1 Antibody) at dilution of 1:1000