

## ID2 antibody

Catalog No: #38164

Package Size: #38164-1 50ul #38164-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

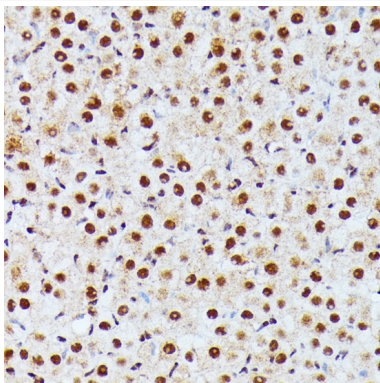
## Description

Product Name	ID2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total ID2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ID2.
Target Name	ID2
Other Names	ID2;GIG8;ID2A;ID2H;MGC26389;bHLHb26;
Accession No.	Swiss-Prot#: Q02363NCBI Gene ID: 3398
Uniprot	Q02363
GeneID	3398;
SDS-PAGE MW	18kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

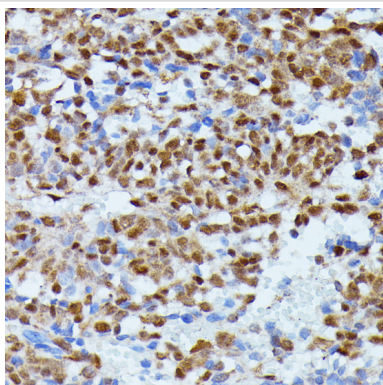
## Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

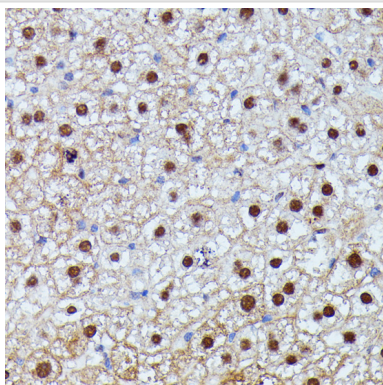
## Images



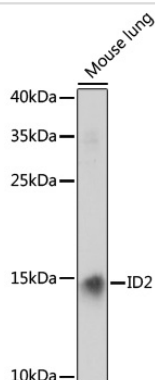
Immunohistochemistry of paraffin-embedded rat ovary using ID2 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human oophoroma using ID2 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using ID2 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of mouse lung, using ID2 at 1:1000 dilution.

## Background

Inhibitor of DNA-binding-2 (Id2) is a member of the Id proteins which belong to the helix-loop-helix (HLH) protein family. The Id protein functions by binding to specific transcription factors and preventing their dimerization and DNA binding (1-3). Id2 interacts with a wide variety of transcription factors including E proteins (5), TCS (4), Pax (6) and the tumor suppressor Rb (1). Id2 has been shown to be important in regulating cellular differentiation, proliferation, development and tumorigenesis (7-9). In tumor cells, increased levels of Id2 functionally inactivate Rb, leading to cellular transformation and cancer (10,11). Id2 is therefore a promising therapeutic target for treatment of cancer (12).

Note: This product is for in vitro research use only