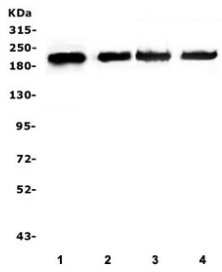
ZEB1 Antibody (RQ5497)

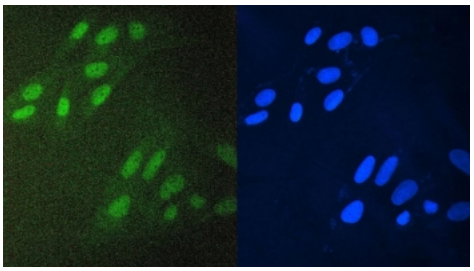
Catalog No.	Formulation	Size
RQ5497	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

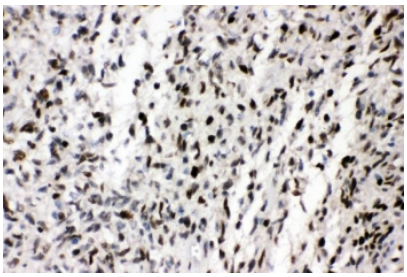
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P37275
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This ZEB1 antibody is available for research use only.



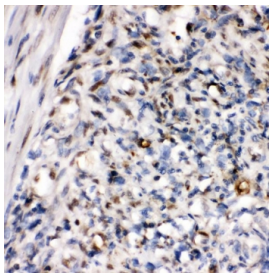
Western blot testing of human 1) SGC-7901, 2) U-87 MG, 3) HEK293 and 4) PC-3 cell lysate with ZEB1 antibody. Predicted molecular weight ~124 kDa but observed at up to ~200 kDa.



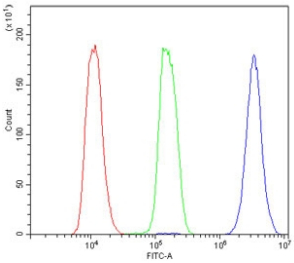
Immunofluorescent staining of FFPE human U-2 OS cells with ZEB1 antibody (green) and DAPI (blue). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE human glioma tissue with ZEB1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE human melanoma tissue with ZEB1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Flow cytometry testing of human U-2 OS cells with ZEB1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ZEB1 antibody.

Description

Zinc finger E-box-binding homeobox 1 is a protein that in humans is encoded by the ZEB1 gene. It is mapped to 10p11.22. This gene encodes a zinc finger transcription factor. The encoded protein likely plays a role in transcriptional repression of interleukin 2. Mutations in this gene have been associated with posterior polymorphous corneal dystrophy-3 and late-onset Fuchs endothelial corneal dystrophy. Alternatively spliced transcript variants encoding different isoforms have been described.

Application Notes

Optimal dilution of the ZEB1 antibody should be determined by the researcher.

Immunogen

Amino acids LLKAYYALNAQPSAEELSKIADSVNLPLDVVKKWFEKMQ were used as the immunogen for the ZEB1 antibody.

Storage

After reconstitution, the ZEB1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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