

ZNF281 Antibody

Catalog No: #43566



Package Size: #43566-1 50ul #43566-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

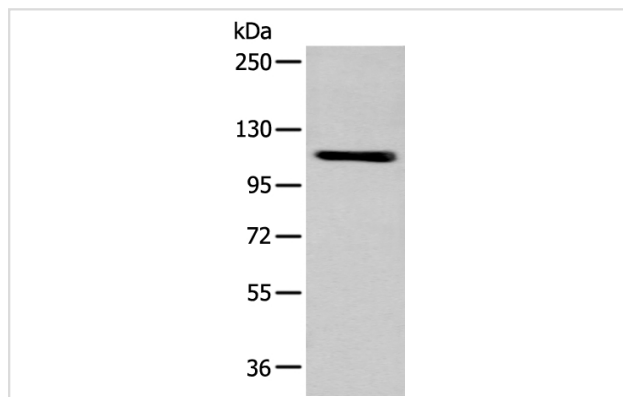
Product Name	ZNF281 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ZNF281 protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human ZNF281
Target Name	ZNF281
Other Names	ZBP-99; ZNP-99
Accession No.	Swiss-Prot#: Q9Y2X9NCBI Gene ID: 23528
Calculated MW	97kd
Concentration	1.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

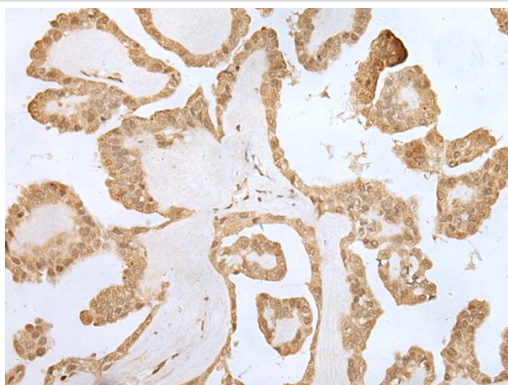
Western blotting: 1:500-2000

Immunohistochemistry: 1: 100-300

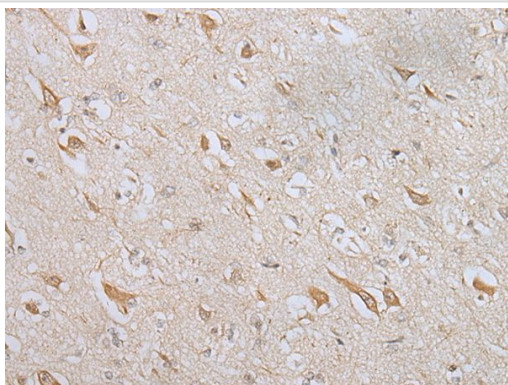
Images



Gel: 6%SDS-PAGE
Lysate: 40 µg, Lane: A549 cell,
Primary antibody: ZNF281 antibody at dilution 1/600 dilution,
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 5 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ZNF281 Antibody at dilution 1/100, on the right is treated with fusion protein. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ZNF281 Antibody at dilution 1/100, on the right is treated with fusion protein. (Original magnification: x200)

Background

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZNF281, also known as GC-box-binding zinc finger protein 1, ZBP-99 or ZNP-99 (zinc finger DNA-binding protein 99), is a zinc finger protein that belongs to the KrB¹B¹Hppel C2H2-type zinc finger protein family. It is expressed ubiquitously at low levels with predominant expression in kidney, liver, lymphocytes and placenta. ZNF281 localizes to the nucleus and contains four C2H2-type zinc fingers. ZNF281 plays a role in repressing the transcription of a variety of genes including Gastrin and ODC (ornithine decarboxylase). In particular, ZNF281 functions by binding to the G-rich box in the enhancer region of the gene. Upon DNA damage, ZNF281 may become phosphorylated by Atm or ATR.

Published Papers

el at., Cancer-associated fibroblasts facilitate premetastatic niche formation through lncRNA SNHG5-mediated angiogenesis and vascular permeability in breast cancer. In Theranostics on 2022 Oct 17 by Huan Zeng, Yixuan Hou, et al..PMID:36438499 , (2022)

[PMID:36438499](https://pubmed.ncbi.nlm.nih.gov/36438499/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.