DDIT4 Antibody

Catalog No: #36407

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

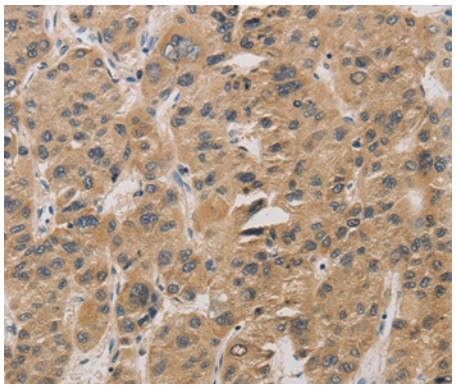
Description

Product Name	DDIT4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total DDIT4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	DDIT4
Other Names	Dig2; REDD1; REDD-1
Accession No.	Swiss-Prot#: Q9NX09NCBI Gene ID: 54541Gene Accssion: BC007714
Uniprot	Q9NX09
GeneID	54541;
Concentration	1.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

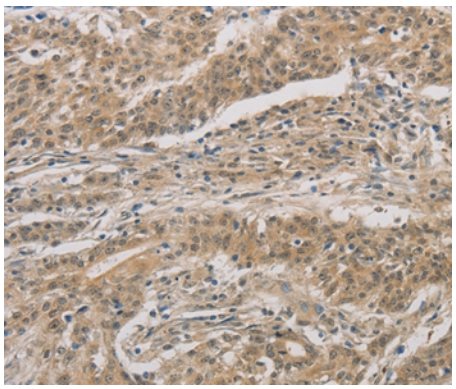
Application Details

Immunohistochemistry: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #36407 at dilution 1/30.



Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using #36407 at dilution 1/30.

Background

REDD-1, also designated DNA-damage-inducible transcript 4, dig2 or RTP801, is thought to function in the regulation of reactive oxygen species (ROS). REDD-1 expression has also been linked to apoptosis, Ab toxicity and the pathogenesis of ischemic diseases. As an HIF-1-responsive gene, REDD-1 exhibits strong hypoxia-dependent upregulation in ischemic cells of neuronal origin. In response to stress due to DNA damage and glucocorticoid treatment, REDD-1 is upregulated at the transcriptional level. REDD-1 negatively regulates the mammalian target of Rapamycin (mTOR), a serine/threonine kinase often referred to as FRAP. It is crucial in the coupling of extra- and intracellular cues to FRAP regulation. The absence of REDD-1 is associated with the development of retinopathy, a major cause of blindness.

Note: This product is for in vitro research use only