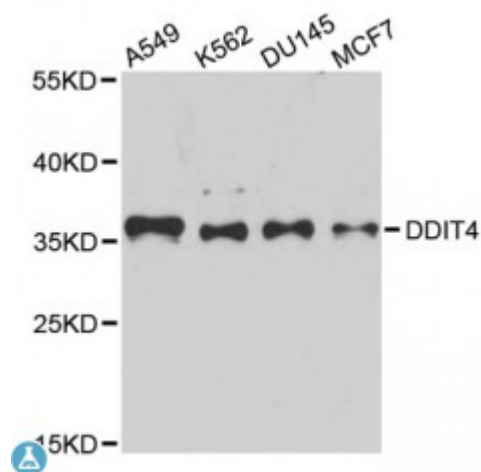


Anti-DDIT4 Antibody



Model	STJ110386
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-232 of human DDIT4 (NP_061931.1).
Gene ID	54541
Gene Symbol	DDIT4
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Broadly expressed, with lowest levels in brain, skeletal muscle and intestine, Up-regulated in substantia nigra neurons from Parkinson disease patients (at protein level)
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	DNA damage-inducible transcript 4 protein HIF-1 responsive protein RTP801 Protein regulated in development and DNA damage response 1 REDD-1
Molecular Weight	25.371 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:24944OMIM:607729Reactome:R-HSA-5628897
Alternative Names	DNA damage-inducible transcript 4 protein HIF-1 responsive protein RTP801 Protein regulated in development and DNA damage response 1 REDD-1
Function	Regulates cell growth, proliferation and survival via inhibition of the activity of the mammalian target of rapamycin complex 1 (mTORC1), Inhibition of mTORC1 is mediated by a pathway that involves DDIT4/REDD1, AKT1, the TSC1-TSC2 complex and the GTPase RHEB, Plays an important role in responses to cellular energy levels and cellular stress, including responses to hypoxia and DNA damage, Regulates p53/TP53-mediated apoptosis in response to DNA damage via its effect on mTORC1 activity, Its role in the response to hypoxia depends on the cell type
Cellular Localization	Mitochondrion
Post-translational Modifications	Phosphorylated by GSK3B

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