

Anti-ID3 antibody



Description	Unconjugated Rabbit polyclonal to ID3
Model	STJ192556
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human ID3 protein.
Immunogen Region	68-117aa
Gene ID	3399
Gene Symbol	ID3
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	ID3 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed abundantly in lung, kidney and adrenal gland, but not in adult brain.
Purification	ID3 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	DNA-binding protein inhibitor ID-3 Class B basic helix-loop-helix protein 25 bHLHb25 Helix-loop-helix protein HEIR-1 ID-like protein inhibitor HLH 1R21 Inhibitor of DNA binding 3 Inhibitor of differentiation 3
Molecular Weight	13 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:5362OMIM:600277
Alternative Names	DNA-binding protein inhibitor ID-3 Class B basic helix-loop-helix protein 25 bHLHb25 Helix-loop-helix protein HEIR-1 ID-like protein inhibitor HLH 1R21 Inhibitor of DNA binding 3 Inhibitor of differentiation 3
Function	Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation. Involved in myogenesis by inhibiting skeletal muscle and cardiac myocyte differentiation and promoting muscle precursor cells proliferation. Inhibits the binding of E2A-containing protein complexes to muscle creatine kinase E-box enhancer. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer.
Cellular Localization	Nucleus.