

Product Data Sheet

Anti-ID3 Antibody

Catalog #	Source	Reactivity	Applications
CQA3072	Rabbit	H, M, R	WB, IH, IF/IC
Description	Rabbit polyclonal antibody to ID3		
Immunogen	Recombinant full length protein of human ID3		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of ID3 protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/2000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200)		
Gene Symbol	ID3		
Alternative Names	1R21; BHLHB25; HEIR1; 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		
Entrez Gene	3399 (Human); 15903 (Mouse); 25585 (Rat)		
SwissProt	Q02535 (Human); P41133 (Mouse); P41138 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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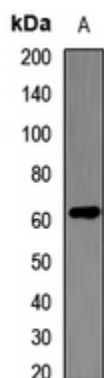
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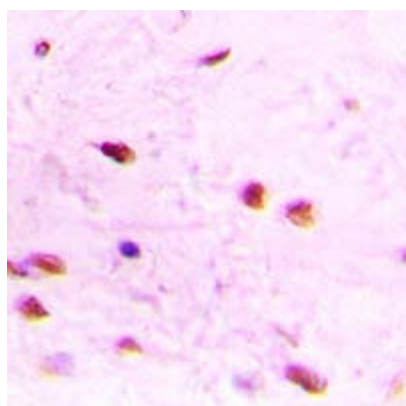
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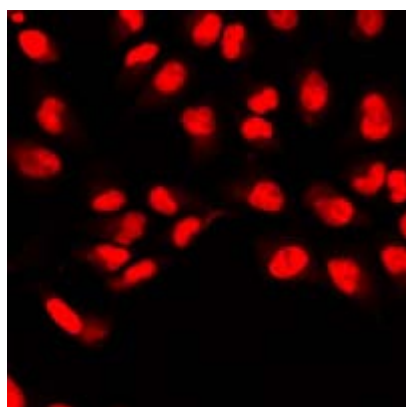
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Western blot analysis of ID3 expression in mouse liver (A) whole cell lysates.



Immunohistochemical analysis of ID3 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ID3 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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