

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ID2 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) ID1, rhID3, and rhID4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ID2 Met1-Gly134 Accession # Q02363
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ID2 (Inhibitor of DNA binding 2; also known as inhibitor of differentiation 2) is a 15 kDa member of the small ID HLH family of proteins. It is a nuclear protein that forms inactivating heterodimers with bHLH transcription factors. bHLH proteins activate lineage-specific genes and ID2. Human ID2 is 134 amino acids (aa) in length. It contains one HLH domain (aa 36-76) but no DNA-binding motif. Full-length human ID2 is 98% aa identical to both mouse and porcine ID2.

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