

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DPPA5/ESG1 in direct ELISAs and Western blots. In Western blots, approximately 40% cross-reactivity with recombinant mouse DPPA5 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human DPPA5/ESG1 Met1-Lys116 Accession # NP_001020461
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

DPPA5, also known as embryonic stem cell-specific gene 1 (ESG1), is a K homology RNA-binding (KH) domain containing protein that is expressed only in early embryos, germ cells and embryonic stem cells. It may be useful as a marker of pluripotent stem cells. Human DPPA5 shares approximately 66% and 74% amino acid sequence homology with mouse and rat DPPA5, respectively.

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