

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EGR1 in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 406910
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human EGR1 Gln282-Ser433 Accession # P18146
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.

Immunohistochemistry 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

Early Growth Response 1, (EGR1) belongs to the EGR family of zinc finger transcription factors and regulates the expression of several tumor suppressors. Its expression is induced by diverse signals that initiate growth and differentiation. EGR1 suppresses or activates cell growth depending on the tumor type. Within the region that includes its three zinc finger domains, human EGR1 shares 99% aa sequence identity with mouse and rat EGR1.

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