

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse IRF6 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 503404
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human IRF6 Ala176-Gln366 Accession # O14896
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

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

Interferon regulatory factor 6 (IRF6), is a transcription factor that controls the proliferation and differentiation of epidermal and epithelial cells. IRF6 interacts with maspin in normal mammary epithelial cells but is down-regulated during tumor progression. IRF6 polymorphisms cause Van der Woude and popliteal pterygium syndromes of skin, limb, and craniofacial development that are characterized by cleft lip, cleft palate, or lip pits. IRF6 contains an N-terminal DNA binding domain that is homologous to that in other IRF proteins. Within aa 176-366 of the C-terminal domain, human IRF6 shares 98% aa sequence identity with mouse and rat IRF6.

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