

**ERRFI1 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12558c****Specification**

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**ERRFI1 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q9UJM3](#)**ERRFI1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 54206**Other Names**

ERBB receptor feedback inhibitor 1, Mitogen-inducible gene 6 protein, MIG-6, ERRFI1, MIG6

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ERRFI1 Antibody (Center) Blocking peptide - Protein Information****Name** ERRFI1**Synonyms** MIG6**Function**

Negative regulator of EGFR signaling in skin morphogenesis. Acts as a negative regulator for several EGFR family members, including ERBB2, ERBB3 and ERBB4. Inhibits EGFR catalytic activity by interfering with its dimerization. Inhibits autophosphorylation of EGFR, ERBB2 and ERBB4. Important for normal keratinocyte proliferation and differentiation. Plays a role in modulating the response to steroid hormones in the uterus. Required for normal response to progesterone in the uterus and for fertility. Mediates epithelial estrogen responses in the uterus by regulating ESR1 levels and activation. Important for regulation of endometrium cell proliferation. Important for normal prenatal and perinatal lung development (By similarity).

**Cellular Location**

Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus.  
Note=Associated with the plasma membrane of basal skin keratinocytes. Translocates into the nucleus of differentiating suprabasal keratinocytes (By similarity).

## **ERRFI1 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **ERRFI1 Antibody (Center) Blocking peptide - Images**

## **ERRFI1 Antibody (Center) Blocking peptide - Background**

ERRFI1 is a cytoplasmic protein whose expression is upregulated with cell growth (Wick et al., 1995 [PubMed 7641805]). It shares significant homology with the protein product of rat gene-33, which is induced during cell stress and mediates cell signaling (Makinje et al., 2000 [PubMed 10749885]; Fiorentino et al., 2000 [PubMed 11003669]).

## **ERRFI1 Antibody (Center) Blocking peptide - References**

Frosi, Y., et al. J. Cell Biol. 189(3):557-571(2010) Ying, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(15):6912-6917(2010) Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010) Reschke, M., et al. Hepatology 51(4):1383-1390(2010) Nagashima, T., et al. FEBS J. 276(18):5239-5251(2009)