

Fragilis Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 12	Source/Isotype: Rabbit	UniProt ID: #Q9CQW9	Entrez-Gene Id: 66141
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Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Fragilis Antibody recognizes endogenous levels of total fragilis protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln16 of mouse fragilis protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Fragilis (Ifitm3) belongs to the interferon (IFN)-inducible transmembrane protein family (1), which consists of five highly similar transmembrane proteins that are conserved among mammalian species (2). It is thought to be the first gene to mark the onset of germ cell competence during embryonic development in mice (3). Cells expressing high levels of fragilis protein go on to express stella, a protein found exclusively in lineage-restricted germ cells (3). Studies on fragilis family members could help elucidate the mechanisms through which interferons act as signaling molecules during embryonic development (2).

Background References

1. Deblandre, G.A. et al. (1995) *J Biol Chem* 270, 23860-6.
2. Lange, U.C. et al. (2003) *BMC Dev Biol* 3, 1.
3. Saitou, M. et al. (2002) *Nature* 418, 293-300.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat

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