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Store at -20C
#2593

Evi-1 (C50E12) Rabbit mAb

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

Applications: W, IP, IF-IC, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 105, 145, 200	Source/Isotype: Rabbit IgG	UniProt ID: #Q03112	Entrez-Gene Id: 2122
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Product Usage Information

Application

Western Blotting
Immunoprecipitation
Immunofluorescence (Immunocytochemistry)
Flow Cytometry (Fixed/Permeabilized)

Dilution

1:1000
1:50
1:1000 - 1:2000
1:800 - 1:1600

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

For a carrier free (BSA and azide free) version of this product see product #69659.

Specificity/Sensitivity

Evi-1 (C50E12) Rabbit mAb detects the endogenous levels of total Evi-1 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp57 of human Evi-1 protein.

Background

Evi-1 (Ecotropic virus integration site 1) was originally identified as a common site of viral integration in murine myeloid leukemia. It is involved in human myeloid disorders through chromosome translocation and inversion (1) and is also implicated in solid tumor formation (2). Evi-1 is a zinc finger transcription factor which also plays an important role in animal development (3). It has many isoforms due to alternative usage of 5'-ends (4), alternative splicing (5), and intergenic splicing which results in the formation of a fusion protein with MDS1 in normal tissues (6).

Background References

1. Nucifora, G. et al. (2006) *Gene* 368, 1-11.
2. Brooks, D.J. et al. (1996) *Br. J. Cancer* 74, 1518-25.
3. Hoyt, P.R. et al. (1997) *Mech. Dev.* 65, 55-70.
4. Aytekin, M. et al. (2005) *Gene* 356, 160-8.
5. Morishita, K. et al. (1990) *Oncogene* 5, 963-71.
6. Fears, S. et al. (1996) *Proc. Natl. Acad. Sci. USA* 93, 1642-7.

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 **IF-IC:** Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

H: Human

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