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Store at -20C
#2265

Evi-1 Antibody

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

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

Application

Western Blotting

Dilution

1:1000

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

Evi1 Antibody detects endogenous levels of total Evi-1 and MDS1/Evi proteins.

Species predicted to react based on 100% sequence homology

Dog

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino acids surrounding Leu921 of human Evi-1. Antibodies are purified by protein A and peptide affinity chromatography.

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

Cross-Reactivity Key

H: Human

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