

Store at
-20C
#97857**RAI2 (D4W9P) Rabbit mAb**

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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 78	Source/Isotype: Rabbit IgG	UniProt ID: #Q9Y5P3	Entrez-Gene Id: 10742
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Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

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.

Specificity/Sensitivity

RAI2 (D4W9P) Rabbit mAb recognizes endogenous levels of total RAI2 protein.

Species predicted to react based on 100% sequence homology

Mouse, Rat, Bovine, Pig

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg522 of human RAI2 protein.

Background

Retinoic acid-induced protein 2 (RAI2) is a 530 amino acid protein, encoded by the *RAI2* gene on XP22.3 (1). RAI2 contains a central, proline-rich domain that is hypothesized to play a role in protein-protein interactions, and is expressed in a variety of embryonic and adult tissues (2). Beyond that, little is known about the biological functions of RAI2. Notably, a 2015 research study reported that suppressing RAI2 led to increased hematogenous dissemination of breast cancer cells to bone marrow, suggesting that RAI2 may function to negatively regulate tumor metastasis (3).

Background References

- Walpole, S.M. et al. (1999) *Genomics* 55, 275-83.
- Jonk, L.J. et al. (1994) *Dev Biol* 161, 604-14.
- Werner, S. et al. (2015) *Cancer Discov* 5, 506-19.

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

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