#90879 | **Store at -20C**

RalB (D9K6M) Rabbit mAb

Cell Signaling
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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H	Endogenous	26	Rabbit IgG	#P11234	5899

Product Usage Information

Application	Dilution
Western Blotting	1:1000

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

RalB (D9K6M) Rabbit mAb recognizes endogenous levels of total RalB protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu142 of human RalB protein.

Background

RalA and RalB are members of the Ras family of small GTPases and are highly homologous in protein sequence. The functions of RalA and RalB are distinct yet overlapping. By binding to various effector proteins, RalA and RalB serve as important GTP sensors for exocytosis and membrane trafficking (1-3). RalA is required for Ras-related tumorigenesis (4) and RalB is important for tumor survival (5). In addition to tumor formation, Ral proteins also play a role in cancer cell migration and metastatic tumor invasion (6,7).

Background References

1. Li, G. et al. (2007) *J Neurosci* 27, 190-202.
2. van Dam, E.M. and Robinson, P.J. (2006) *Int J Biochem Cell Biol* 38, 1841-7.
3. Camonis, J.H. and White, M.A. (2005) *Trends Cell Biol* 15, 327-32.
4. Lim, K.H. et al. (2005) *Cancer Cell* 7, 533-45.
5. Chien, Y. et al. (2006) *Cell* 127, 157-70.
6. Oxford, G. et al. (2005) *Cancer Res* 65, 7111-20.
7. Lim, K.H. et al. (2006) *Curr Biol* 16, 2385-94.

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

WB: Western Blotting

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse **GP:** Guinea Pig **Rab:** rabbit **All:** all species expected

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