Revision 1

Store at -20C

#8066

NRBF-2 Antibody

Cell Signaling
T E C H N O L O G Y®

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3 Trask Lane │ **Danvers** │ **Massachusetts** │ **01923** │ **USA**

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M R Mk	Endogenous	40	Rabbit	#Q96F24	29982

Product Usage Information

Application	Dilution
Western Blotting	1:1000
Immunoprecipitation	1:50

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
NRBF-2 Antibody recognizes endogenous levels of total NRBF-2 protein. This antibody may cross-react with NRBF-1/COPR-1.

Source / Purification
Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu145 of human NRBF-2 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background
Nuclear Receptor Binding Factor-2 (NRBF-2), also referred to as Comodulator of PPAR and RXRα-2 (COPR-2), has been shown to interact with the AF-2 region of several nuclear hormone receptors with varying affinities such as PPARα, RARα, RARγ, and RXRα (1,2). NRBF-2 contains a LLYLL motif, which matches the LXXLL NR box consensus and is required for functional NRBF-2/nuclear receptor complex formation and repression of receptor function. NRBF-2 also contains a unique autonomous activation domain and, thus, does not completely abrogate nuclear receptor function, suggesting that NRBF-2 might serve as a molecular rheostat to fine-tune the transcriptional activity of liganded nuclear receptors (1,2).

Background References
1. Yasumo, H. et al. (2000) *Biochim Biophys Acta* 1490, 189-97.
2. Flores, A.M. et al. (2004) *J Invest Dermatol* 123, 1092-101.

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 **IP:** Immunoprecipitation

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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