

Retinoic Acid Receptor β Antibody

Catalog No: #33480

Package Size: #33480-1 50ul #33480-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

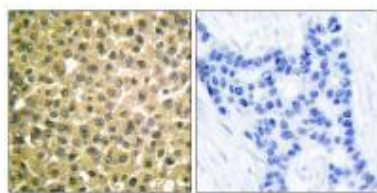
Product Name	Retinoic Acid Receptor β Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total Retinoic Acid Receptor β protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human Retinoic Acid Receptor β .
Target Name	Retinoic Acid Receptor β
Other Names	RAR-beta;
Accession No.	Swiss-Prot: P10826NCBI Gene ID: 5915
Uniprot	P10826
GeneID	5915;
SDS-PAGE MW	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

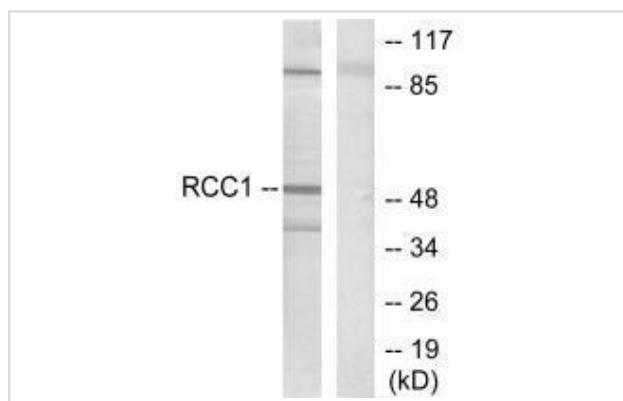
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

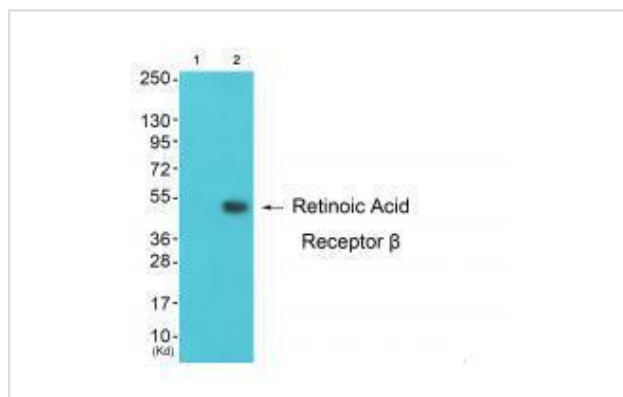
Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Retinoic Acid Receptor β antibody #33480.



Western blot analysis of extracts from HepG2 cells, using Retinoic Acid Receptor β antibody #33480.



Western blot analysis of extracts from K562 cells (Lane 2), using Retinoic Acid Receptor β antibody #33480. The lane on the left is treated with synthesized peptide.

Background

Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence or presence of hormone ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. In concert with RARG, required for skeletal growth, matrix homeostasis and growth plate function.

Reuben Lotan, N. Engl. J. Med., May 1995; 332: 1405 - 1411.

Andrew Yen, Mol. Pharmacol., Dec 2004; 66: 1727 - 1737.

K Swisshelm, Cell Growth Differ., Feb 1994; 5: 133.

F Aoudjit, Cell Growth Differ., May 1995; 6: 515.

Note: This product is for in vitro research use only