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anti-ADRA2B antibody (2nd Extracellular Loop, Cys169)





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Quantity:	25 μL
Target:	ADRA2B
Binding Specificity:	2nd Extracellular Loop, AA 160-174, Cys169
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRA2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)RPEPRGLPQ*SELNQE, corresponding to amino acid residues 160-
	174 of rat alpha2B-adrenoceptor with replacement of cysteine 169 (C169) with serine (*S)
Isotype:	IgG
Characteristics:	Anti-alpha2B-Adrenergic Receptor (extracellular) Antibody is directed against an extracellular
	epitope of the rat α2B-adrenoceptor. Anti-α2B-Adrenergic Receptor (extracellular) Antibody
	(ABIN7042900, ABIN7043920 and ABIN7043921)) can be used in western blot and
	immunohistochemistry applications. It has been designed to recognize α2B-adrenoceptor from
	mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

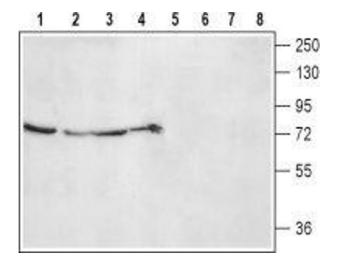
Target:	ADRA2B
Alternative Name:	alpha2B-Adrenergic Receptor (ADRA2B Products)
Background:	Alternative names: alpha2B-Adrenergic Receptor, Alpha-2B adrenoceptor, Alpha-2B adrenoceptor, Alpha-2BAR, ADA2B, ADRA2B
Gene ID:	24174
NCBI Accession:	NM_000682
UniProt:	P19328
Pathways:	EGFR Signaling Pathway, cAMP Metabolic Process

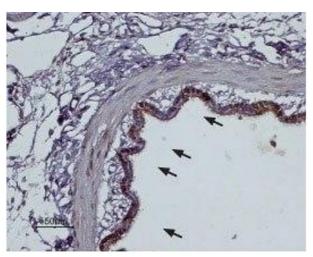
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	$25\mu\text{L},50\mu\text{L}$ or 0.2mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).





Western Blotting

Image 1. Western blot analysis of rat kidney (lanes 1 and 5), lung (lanes 2 and 6), liver (lanes 3 and 7) lysates and rat skeletal muscle membranes (lanes 4 and 8): - 1-4. Anti- α 2B-Adrenergic Receptor (extracellular) Antibody (ABIN7042900, ABIN7043920 and ABIN7043921), (1:200).5-8. Anti- α 2B-Adrenergic Receptor (extracellular) Antibody, preincubated with α 2B-Adrenergic Receptor (extracellular) Blocking Peptide (#BLP-AR021).

Immunohistochemistry

Image 2. Expression of $\alpha 2B$ -Adrenoreceptor in rat lung - Immunohistochemical staining of rat lung paraffin embedded sections using Anti- $\alpha 2B$ -Adrenergic Receptor (extracellular) Antibody (ABIN7042900, ABIN7043920 and ABIN7043921), (1:100). $\alpha 2B$ -Adrenoreceptor is expressed in the respiratory epithelium of the bronchioli (arrows). Hematoxilin is used as the counterstain.