

Rabbit anti-Human, Mouse ACTHR Polyclonal Antibody | anti-ACTHR antibody

ACTHR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325525	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

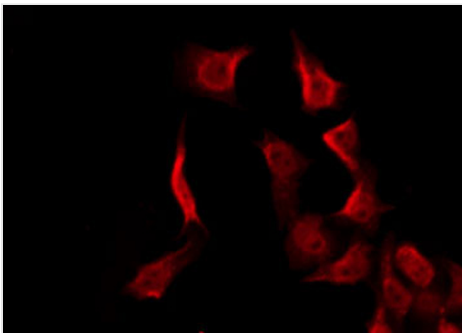
PRODUCT SYNONYMS

ACTHR; Polyclonal Antibody; ACTHR Antibody; ACTH receptor; ACTH-R; ACTHR_HUMAN; Adrenocorticotrophic hormone receptor; Adrenocorticotropin receptor; Corticotropin receptor; MC2 receptor; MC2-R; MC2R; Melanocortin 2 receptor (adrenocorticotrophic hormone); Melanocortin 2 receptor; Melanocortin receptor 2; anti-ACTHR antibody

PRODUCT SPECIFICATIONS

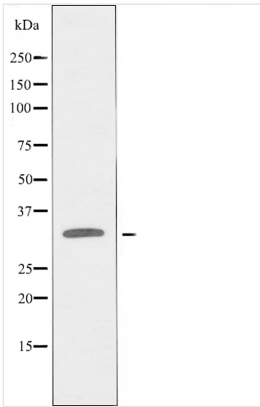
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ACTHR antibody detects endogenous levels of total ACTHR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	297
Applicable Applications for anti-ACTHR antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Melanocytes and corticoadrenal tissue.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog
Similarity	Bovine (89%), Horse (89%), Sheep (89%), Dog (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325525 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using ACTHR antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTHR antibody

Function: Receptor for corticotropin (ACTH). This receptor is mediated by G proteins (G(s)) which activate adenylate cyclase (cAMP).
Subunit Structure: Interacts with MRAP; increasing ligand-sensitivity and generation of cAMP. Interacts with MRAP2; competing with MRAP for binding to MC2R and impairing the binding of corticotropin (ACTH).
Similarity: Belongs to the G-protein coupled receptor 1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505127
NCBI GeneID	4158
NCBI Accession #	NP_000520.1
NCBI GenBank Nucleotide #	NM_000529.2
UniProt Accession #	Q01718; Q3MI45; Q504X6; A8K016
Molecular Weight	Observed: 34 kD Predicted: 34 kDa
NCBI Official Full Name	adrenocorticotropic hormone receptor
NCBI Official Synonym Full Names	melanocortin 2 receptor
NCBI Official Symbol	MC2R
NCBI Official Synonym Symbols	ACTHR
NCBI Protein Information	adrenocorticotropic hormone receptor
UniProt Protein Name	Adrenocorticotropic hormone receptor
UniProt Gene Name	MC2R
UniProt Synonym Gene Names	ACTHR; ACTH receptor; ACTH-R; MC2-R

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.