

Product Name: KO-Validated Progesterone Receptor Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00117

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 99.0kDa

Antigen Information

Gene Name	PGR
Alternative Names	PGR; Progesterone Receptor; NR3C3; PR; Nuclear Receptor Subfamily 3 Group C Member 3
Gene ID	5241.0
SwissProt ID	P06401
Immunogen	A synthesized peptide derived from human Progesterone Receptor

Background

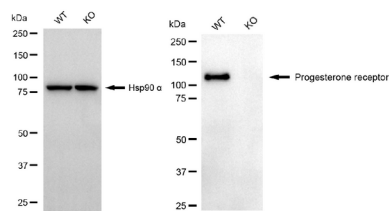
This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promoters and translation start sites in the first exon to produce several transcript

variants, both protein coding and non-protein coding. Two of the isoforms (A and B) are identical except for an additional 165 amino acids found in the N-terminus of isoform B and mediate their own response genes and physiologic effects with little overlap. [provided by RefSeq, Sep 2015]

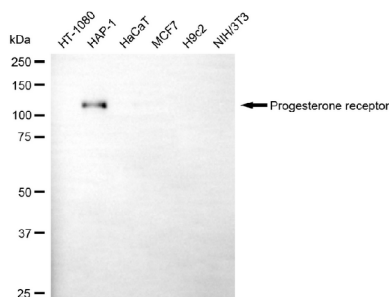
Research Area

Epigenetics and Nuclear Signaling, Signal Transduction, Neuroscience, Cancer

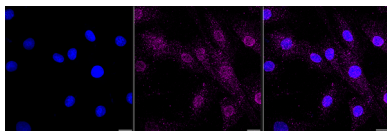
Image Data



Western blotting analysis using progesterone receptor antibody (KVA00117). Progesterone receptor expression in wild type (WT) and progesterone receptor (PGR) knockout (KO) HSHC cells with 50 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with progesterone receptor antibody (KVA00117, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using progesterone receptor antibody (KVA00117). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with progesterone receptor antibody (KVA00117, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of H9C2 cells with Progesterone receptor antibody (KVA00117, 1:1,000). Nuclei were stained blue with DAPI; Progesterone receptor was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.