

GPR30 Antibody, pAb, Rabbit**Cat. No.:** A01074-40**Size:** 40 µg**Synonyms:** Rabbit Anti-GPR30 NT pAb;**Description:**

GPR30 (G Protein-coupled Receptor 30), also known as G Protein-coupled estrogen Receptor 1 (GPER), is a member of G protein-coupled receptor family. It contains seven hydrophobic transmembrane domains embedded in hydrophilic intra- and extracellular loops. GPR30 transduces a variety of hormone, endogenous peptide, and neurotransmitter signals into intracellular effects via G proteins. GPR30 is an orphan receptor and localizes to the endoplasmic reticulum, where it specifically binds estrogen and estrogen derivatives. Activating GPR30 via estrogen results in intracellular calcium mobilization and synthesis of phosphatidylinositol 3,4,5-trisphosphate in the nucleus.

GenScript **Rabbit Anti-GPR30 Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide from amino terminal of human GPR30 protein (Swiss Prot: Q99527).

Immunogen: KLH-coupled synthetic peptide from amino terminal of human GPR30 protein (Swiss Prot: Q99527)

Host: Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Formulation:**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG**Specificity:** GenScript Rabbit Anti-GPR30 Polyclonal Antibody detects endogenous levels of human GPR30 protein.**Purification:** Immunoaffinity chromatography**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml**Western blot:** 0.5-1 µg/ml**IHC:** 5-10 µg/ml**Other applications:** user optimized.**Species Reactivity:** Human**Reconstitution:**

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.