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**Research Use Only. Not for
diagnostic or therapeutic use.**

Description

Peroxidase conjugated and affinity purified anti-goat IgG (H+L) (Rabbit) with minimum cross-reactivity to serum proteins of Human, Mouse and Rat.

Preparation

This product was prepared from monospecific rabbit antiserum by immunoaffinity chromatography using goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-peroxidase, anti-rabbit serum, goat IgG and goat serum. No reaction was observed against mouse, rat or human serum proteins. It was conjugated to Horseradish Peroxidase according to Farr & Nakane, J. Immunol. Methods 47; 129-144, 1981. Stabiliser: Bovine Serum Albumin (BSA), IgG and protease-free. Preservative: Gentamicin Sulfate.

Storage and Handling

Store at 4°C prior to restoration. Restore with 1.0ml of deionized water (or equivalent). For extended storage, aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge the product if the restored solution does not become clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one year after date of restoration. After restoration with deionized water as above, concentration will be 1mg/ml antibody, 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 with 10mg/ml Bovine Serum Albumin (BSA) and 0.01% (w/v) Gentamicin Sulfate.

Applications

Suitable for immunoblot (western or dotblot), ELISA, and other peroxidase-based immunoassays. Recommended dilutions:

ELISA: 1:120,000 WB: 1:2,000 - 1: 40,000 (routinely used at 1:40,000 in our labs using ECL Plus substrate) IHC: 1:1,000 - 1:5,000

Specific Reference

This secondary antibody has been successfully used in Western blot on Mouse:

Meng-Na Wu et al. (2021) Oncogenic tuftelin 1 as a potential molecular-targeted for inhibiting hepatocellular carcinoma growth. *World J Gastroenterol.* 2021 Jun 21; 27(23): 3327–3341. PMID: 34163115.

This secondary antibody has been successfully used in Western blot on Mouse:

Seung Seob Son et al. (2020) Paclitaxel Ameliorates Palmitate-Induced Injury in Mouse Podocytes. *Med Sci Monit Basic Res.* 2020; 26: e928265-1–e928265-10. PMID: 33323915.

This secondary antibody has been successfully used in the following paper: Min Yao et al. (2016) IGF-I receptor as an emerging potential molecular-targeted for hepatocellular carcinoma in vitro and in vivo. *Tumour Biol.* 2016 Nov;37(11):14677-14686. PMID: 27623941.

This secondary antibody has been successfully used in the following paper: Betsy B Dokken et al. (2013) Glucagon-like peptide-1 preserves coronary microvascular endothelial function after cardiac arrest and resuscitation: potential antioxidant effects. *Am J Physiol Heart Circ Physiol.* 2013 Feb 15;304(4):H538-46. PMID: 23241323.

