

Product datasheet for **AP21520PU-N**

Cytochrome P450 Reductase (POR) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: Detection limit: 1/16000. Western blot: 0.1-0.3 µg/ml. Approx 90kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 77.0kDa according to NP_000932.3).
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rabbit, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_000932.3.
Specificity:	Recognizes Cytochrome P450 Reductase (CYPOR).
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cytochrome p450 oxidoreductase
Database Link:	Entrez Gene 5447 Human P16435



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Background:

P450R is an endoplasmic reticulum membrane oxidoreductase with an FAD-binding domain and a flavodoxin-like domain. The protein binds two cofactors, FAD and FMN, which allow it to donate electrons directly from NADPH to all microsomal P450 enzymes. Mutations in its gene have been associated with various diseases, including apparent combined P450C17 and P450C21 deficiency, amenorrhea and disordered steroidogenesis, congenital adrenal hyperplasia and Antley-Bixler syndrome.

Synonyms:

CPR, P450R, POR, CYPOR

Product images:

CYPOR antibody staining of Rat Liver lysate at 0.1 ug/ml (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.