

Anti-Cytochrome P450 2D1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat
Molecular Weight:	Theoretical: 55 kDa. Actual: 58 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Brl-3A (Rat) Cell Lysate at 30 µg Primary: Anti-Cytochrome P450 2D1 (TMAB-04927) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 58 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: rat Cytochrome P450 2D1
Antigen Species:	Rat
Gene ID:	266684
Uniprot ID:	P10633

Research Background

The cytochrome P450 superfamily of heme thiolate mono oxygenases play a key role in the oxidative metabolism of many endogenous and exogenous molecules, and are classified by their primary structure into four main groups. It is an ancient superfamily, which has been identified in prokaryotes and in many types of eukaryotic cells. The CYP2A sub family is found in the liver, and recently in the nasal mucosa where they are involved in the metabolism of inhaled xenobiotics and nicotine. CYP2B proteins are found in the liver, where they are involved in the metabolism of hepatic drugs, and in the lung and brain, whereas the CYP2C proteins are involved in the metabolism of anti depressants. CYP2E1 is alcohol inducible, and found principally in the liver.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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