

QDPR Antibody

Catalog No: #43037



Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

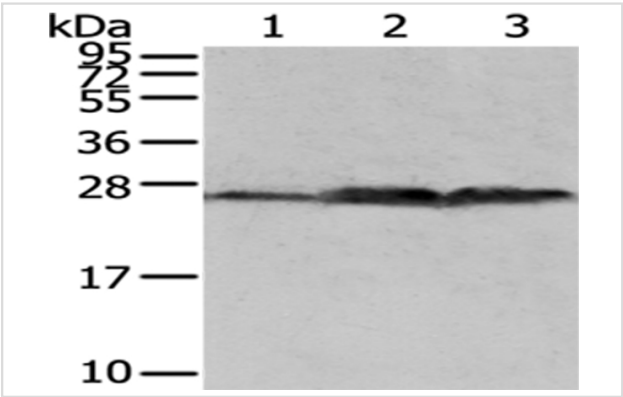
Product Name	QDPR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total QDPR protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human QDPR
Target Name	QDPR
Other Names	DHPR; PKU2; SDR33C1
Accession No.	Swiss-Prot#: P09417Gene ID: 5860
Uniprot	P09417
GeneID	5860;
Calculated MW	26kd
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

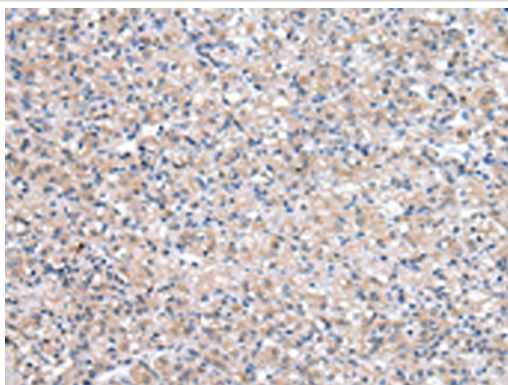
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

Images



Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane 1-3: K562, hepg2, Jurkat cell
Primary antibody: 1/400 dilution
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 30 seconds



Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue using #43037 at dilution 1/20. (Original magnification: B1 • 200)

Background

This gene encodes the enzyme dihydropteridine reductase, which catalyzes the NADH-mediated reduction of quinonoid dihydrobiopterin. This enzyme is an essential component of the pterin-dependent aromatic amino acid hydroxylating systems. Mutations in this gene resulting in QDPR deficiency include aberrant splicing, amino acid substitutions, insertions, or premature terminations. Dihydropteridine reductase deficiency presents as atypical phenylketonuria due to insufficient production of biopterin, a cofactor for phenylalanine hydroxylase.?

Note: This product is for in vitro research use only