Data Sheet (Cat.No.TMAC-01977)

TargetMol

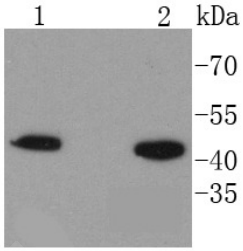
Anti-HMBS Antibody (2C30)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 40 kDa.
Clone:	2C30
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of HMBS on different lysates using anti-HMBS antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: 293T.



Application:	WB
Recommended	WB: 1:1000-2000

Properties

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

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P08397
Synonyms:	PBG-D;PBGD;UPS;Hydroxymethylbilane Synthase;Pre-Uroporphyrinogen Synthase;HMBS; Porphobilinogen Deaminase

Research Background

PBGD (porphobilinogen deaminase), also designated hydroxymethylbilane synthase, is a cytoplasmic enzyme found in the heme synthesis pathway. PBGD belongs to the HMBS (hydroxymethylbilane synthase) family. Deficiency of PBGD causes errors in pyrrole metabolism, which in turn leads to an inherited autosomal disorder called acute intermittent porphyria (AIP). AIP is characterized by acute attacks of neurological dysfunctions with hypertension, tachycardia, peripheral neurologic disturbances, abdominal pain and excessive amounts of aminolevulinic acid and porphobilinogen in the urine.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481