



Anti-PHB monoclonal antibody, clone 618 (DCABH-12896)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description Prohibitin is an evolutionarily conserved gene that is ubiquitously expressed. It is thought to be a negative regulator of cell proliferation and may be a tumor suppressor. Mutations in PHB have been linked to sporadic breast cancer. Prohibitin is expressed as two transcripts with varying lengths of 3 untranslated region. The longer transcript is present at higher levels in proliferating tissues and cells, suggesting that this longer 3 untranslated region may function as a trans-acting regulatory RNA.

Immunogen Recombinant protein corresponding to human PHB.

Isotype IgG1

Source/Host Mouse

Species Reactivity Human, Monkey, Mouse, Rat

Clone 618

Conjugate Unconjugated

Applications Western Blot (Cell lysate); Western Blot (Recombinant protein); Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections); Immunofluorescence; ELISA; Flow Cytometry

Format Liquid

Buffer In ascites (0.03% sodium azide)

Preservative 0.03% Sodium Azide

Storage Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PHB prohibitin [Homo sapiens]
Official Symbol	PHB
Synonyms	PHB; prohibitin; PHB1;
Entrez Gene ID	5245
Protein Refseq	NP_002625
UniProt ID	A8K401
Chromosome Location	17q21
Function	histone deacetylase binding; protein binding; transcription regulatory region DNA binding;