



Anti-PHB monoclonal antibody, clone 6I8 (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	6I8
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;