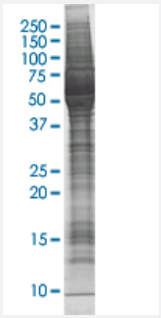
BUB1 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

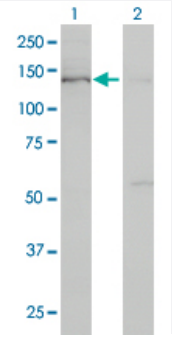
Catalog # L039T6 Size 100 ug

Applications



SDS-PAGE Gel

BUB1 transfected lysate



Western Blot

Lane 1: BUB1 transfected lysate (122 KDa).
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-BUB1 full length
Host	Human
Theoretical MW (kDa)	122
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0. 1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-BUB1 antibody (H00000699-M02) by Western Blots. SDS-PAGE Gel BUB1 transfected lysate Western Blot Lane 1: BUB1 transfected lysate (122 KDa). Lane 2: Non-transfected lysate.
Recommend Usage	Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Storage Buffer	In modified RIPA Lysis Buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

  Protocol Download

Gene Info — BUB1

Entrez GeneID	699
GeneBank Accession#	BC028201
Protein Accession#	AAH28201
Gene Name	BUB1
Gene Alias	BUB1A, BUB1L, hBUB1
Gene Description	budding uninhibited by benzimidazoles 1 homolog (yeast)
Omim ID	602452
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a kinase involved in spindle checkpoint function. The kinase functions in part by phosphorylating a member of the miotic checkpoint complex and activating the spindle checkpoint. Mutations in this gene have been associated with aneuploidy and several forms of cancer. [provided by RefSeq

Other Designations	BUB1 budding uninhibited by benzimidazoles 1 homolog|budding uninhibited by benzimidazoles 1|mitotic spindle checkpoint kinase|putative serine/threonine-protein kinase

Pathway

- Cell cycle

Disease

- Alcoholism
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Conduct Disorder
- Genetic Predisposition to Disease
- Ovarian Neoplasms