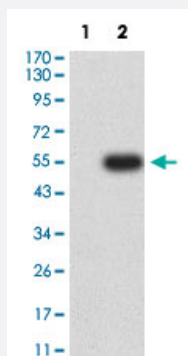


CAPN2 monoclonal antibody, clone 2E2F2

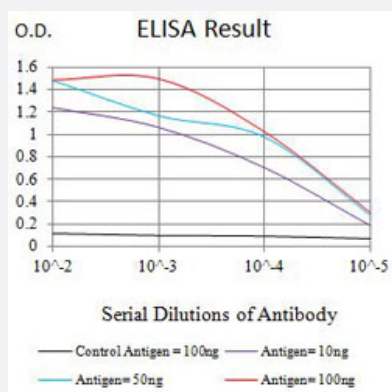
Catalog # MAB21502 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: CAPN2-hlgGfC transfected HEK293 cell lysates with CAPN2 monoclonal antibody, clone 2E2F2 (Cat # MAB21502).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with CAPN2 monoclonal antibody, clone 2E2F2 (Cat # MAB21502).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CAPN2.
Immunogen	Recombinant protein corresponding to amino acids 489-700 of human CAPN2.
Host	Mouse
Theoretical MW (kDa)	80
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: CAPN2-hlgGfC transfected HEK293 cell lysates with CAPN2 monoclonal antibody, clone 2E2F2 (Cat # MAB21502).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with CAPN2 monoclonal antibody, clone 2E2F2 (Cat # MAB21502).

Gene Info — CAPN2

Entrez GeneID	824
Protein Accession#	P17655
Gene Name	CAPN2
Gene Alias	CANP2, CANPL2, CANPml, FLJ39928, mCANP
Gene Description	calpain 2, (m//l) large subunit
Omim ID	114230
Gene Ontology	Hyperlink
Gene Summary	The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

M-calpain|OTTHUMP00000035497|calcium-activated neutral proteinase|calpain 2, large [catalytic] subunit|calpain 2, large subunit|calpain M-type|calpain, large polypeptide L2|millimolar-calpain

Pathway

- [Apoptosis](#)
- [Focal adhesion](#)

Disease

- [Adenocarcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)