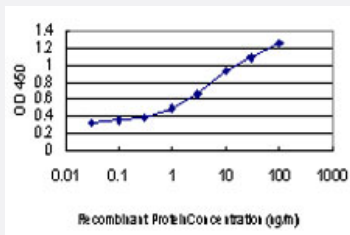


# DAPK1 monoclonal antibody (M01), clone 2E7

Catalog # H00001612-M01

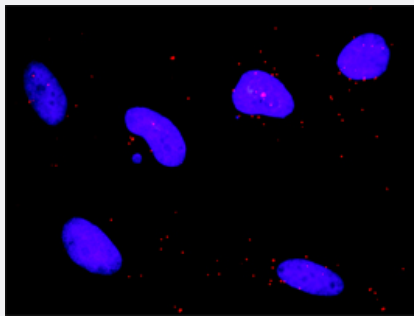
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DAPK1 is approximately 0.1ng/ml as a capture antibody.



### In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK3 and DAPK1. HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-DAPK1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

## Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DAPK1.
Immunogen	DAPK1 (NP_004929, 1211 a.a. ~ 1310 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LLLD SVCSTIENV MATTLPGLLTVKH YLSPQQLREHHEPVMIYQPRDFFRAQTLKETSLTNTMGGY KESFSSIMCFGCHDVYSQASLGMDIHASDLNLLT
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DAPK1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK3 and DAPK1. HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-DAPK1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

## Gene Info — DAPK1

Entrez GeneID	<a href="#">1612</a>
GeneBank Accession#	<a href="#">NM_004938</a>
Protein Accession#	<a href="#">NP_004929</a>
Gene Name	DAPK1
Gene Alias	DAPK, DKFZp781I035
Gene Description	death-associated protein kinase 1
Omim ID	<a href="#">600831</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor candidate. [provided by RefSeq]

**Other Designations**

-

**Pathway**

- [Bladder cancer](#)
- [Pathways in cancer](#)

**Disease**

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Microsatellite Instability](#)
- [Narcolepsy](#)
- [Psychiatric Status Rating Scales](#)
- [Tobacco Use Disorder](#)