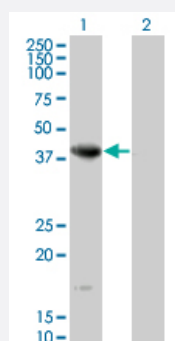


NEIL2 monoclonal antibody (M01), clone 1B7

Catalog # H00252969-M01

Size 100 ug

Applications

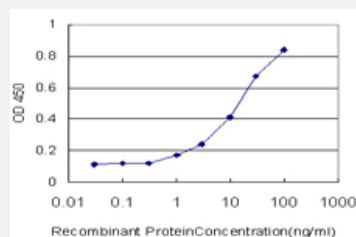


Western Blot (Transfected lysate)

Western Blot analysis of NEIL2 expression in transfected 293T cell line by NEIL2 monoclonal antibody (M01), clone 1B7.

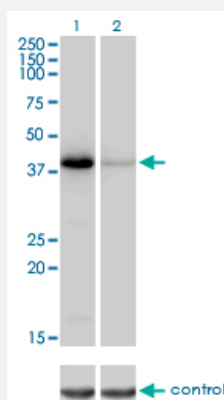
Lane 1: NEIL2 transfected lysate (36.8 kDa).

Lane 2: Non-transfected lysate.



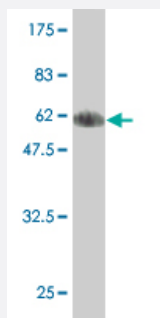
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEIL2 is approximately 1 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of NEIL2 over-expressed 293 cell line, cotransfected with NEIL2 Validated Chimera RNAi (Cat # H00252969-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NEIL2 monoclonal antibody (M01), clone 1B7 (Cat # H00252969-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (62.26 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant NEIL2.
Immunogen	NEIL2 (AAH13964, 1 a.a. ~ 332 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPEGPLVRKFHHLVSPFVGQQVVKTTGGSSKKLQPASLQSLWLQDTQVHGKKLFLRFDLDEEMG PPGSSPTPEPPQKEVQKEGAADPKQVGEPGSGQKTLTGSSRSAELVPQGEDDSEYLERDAPAG DAGRWLRVSFGLFGSVVWVNDFSRAKKANKRGDWRDPSPRLVLHFGGGGFLAFYNCQLSWSSS PVVTPTCILSEKFHRGQALEALGQAQPVCTLLDQRYFSGLGNIKKNEALYRAGIHPLSLGSVLSA SRREVLVDHVVEFSTAWLQGGKFGGRPQHTQVYQKEQCPAGHQVMKEAFGPEDGLQRLTWWC PQCQPQLSEEPEQCQFS
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (62.26 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Transfected lysate)

Western Blot analysis of NEIL2 expression in transfected 293T cell line by NEIL2 monoclonal antibody (M01), clone 1B7.

Lane 1: NEIL2 transfected lysate(36.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEIL2 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of NEIL2 over-expressed 293 cell line, cotransfected with NEIL2 Validated Chimera RNAi (Cat # H00252969-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NEIL2 monoclonal antibody (M01), clone 1B7 (Cat # H00252969-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — NEIL2

Entrez GeneID [252969](#)

GeneBank Accession# [BC013964](#)

Protein Accession# [AAH13964](#)

Gene Name NEIL2

Gene Alias FLJ31644, MGC2832, MGC4505, NEH2, NEI2

Gene Description nei like 2 (E. coli)

Omim ID [608933](#)

Gene Ontology [Hyperlink](#)

Gene Summary NEIL2 belongs to a class of DNA glycosylases homologous to the bacterial Fpg/Nei family. These glycosylases initiate the first step in base excision repair by cleaving bases damaged by reactive oxygen species and introducing a DNA strand break via the associated lyase reaction (Bandaru et al., 2002 [PubMed 12509226])[supplied by OMIM

Other Designations OTTHUMP00000116006|nei-like 2

Pathway

- [Base excision repair](#)

Disease

- [Adenomatous Polyposis Coli](#)
- [Carcinoma](#)
- [Colon cancer](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Lymphatic Metastasis](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Oropharyngeal Neoplasms](#)