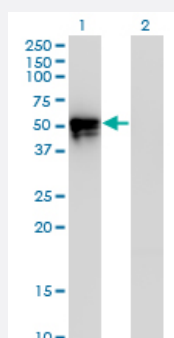


KLF8 monoclonal antibody (M12), clone 3F10

Catalog # H00011279-M12

Size 100 ug

Applications

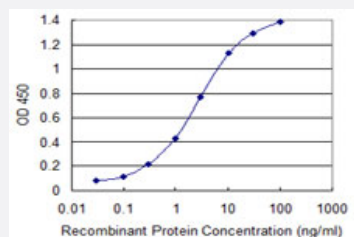


Western Blot (Transfected lysate)

Western Blot analysis of KLF8 expression in transfected 293T cell line by KLF8 monoclonal antibody (M12), clone 3F10.

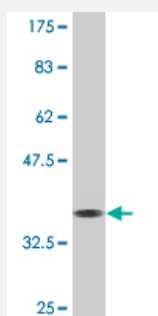
Lane 1: KLF8 transfected lysate (39.3 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KLF8 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant KLF8.

Immunogen	KLF8 (NP_009181.1, 1 a.a. ~ 98 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVDMDKLIINNLEVQLNSEGGSMQVFKQVTASVRNRDPPEIEYRSNMTSPTLLDANPMENPALFN DIKIEPPEELLASDFSLPQVEPVDLSFHKPKAPL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 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 KLF8 expression in transfected 293T cell line by KLF8 monoclonal antibody (M12), clone 3F10.

Lane 1: KLF8 transfected lysate(39.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KLF8 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — KLF8

Entrez GeneID	11279
GeneBank Accession#	NM_007250
Protein Accession#	NP_009181.1
Gene Name	KLF8
Gene Alias	BKLF3, DKFZp686O08126, DXS741, MGC138314, ZNF741
Gene Description	Kruppel-like factor 8
Omim ID	300286
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein which is a member of the Sp/KLF family of transcription factors. Members of this family contain a C-terminal DNA-binding domain with three Kruppel-like zinc fingers. The encoded protein is thought to play an important role in the regulation of epithelial to mesenchymal transition, a process which occurs normally during development but also during metastasis. A pseudogene has been identified on chromosome 16. Alternative splicing results in multiple transcript variants. [provided by RefSeq]
Other Designations	zinc finger protein 741

Publication Reference

- [Krüppel-like factor 8 regulates VEGFA expression and angiogenesis in hepatocellular carcinoma.](#)

Cheng S, Zhang X, Xu Y, Dai X, Li J, Zhang T, Chen X.

Scientific Reports 2018 Nov; 8(1):17415.

Application: IHC-P, WB, Human, Mouse, Human hepatocellular carcinoma, Mouse liver parenchyma, SMMC7721 cells

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)