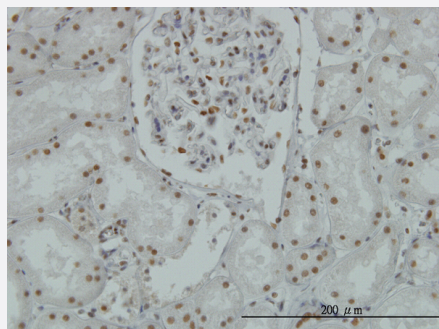


AOF2 monoclonal antibody (M04), clone 2E7

Catalog # H00023028-M04

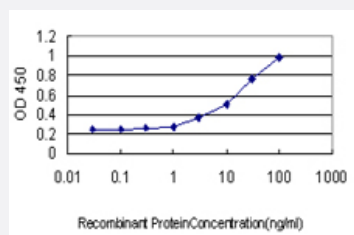
Size 100 ug

Applications



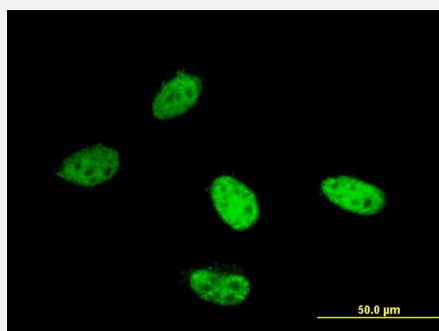
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to AOF2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1 ug/ml]



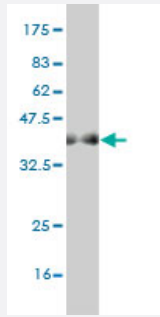
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AOF2 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to AOF2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant AOF2.
Immunogen	AOF2 (NP_055828, 753 a.a. ~ 851 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ADPWARGSYSYVAAGSSGNDYDLMAQPITPGPSIPGAPQPIPRLFFAGEHTIRNYPATVHGALLSG LREAGRIADQFLGAMYTLPRQATPGVPAQQSPS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (97)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to AOF2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AOF2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to AOF2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — AOF2

Entrez GeneID [23028](#)

GeneBank Accession# [NM_015013](#)

Protein Accession# [NP_055828](#)

Gene Name AOF2

Gene Alias BHC110, KDM1, KIAA0601, LSD1

Gene Description amine oxidase (flavin containing) domain 2

Omim ID [609132](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an amine oxidase domain. This protein is a component of several histone deacetylase complexes, though it silences genes by functioning as a histone demethylase. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations BRAF35-HDAC complex protein BHC110|FAD-binding protein BRAF35-HDAC complex, 110 kDa subunit|lysine (K)-specific demethylase 1|lysine-specific histone demethylase 1

Publication Reference

- [Characterization of histone lysine-specific demethylase in relation to thyroid hormone-regulated anuran metamorphosis.](#)

Chen W, Obara M, Ishida Y, Suzuki K, Yoshizato K.

Development, Growth & Differentiation 2007 May; 49(4):325.

Application: IHC-P, Clawed frog, Tadpoles