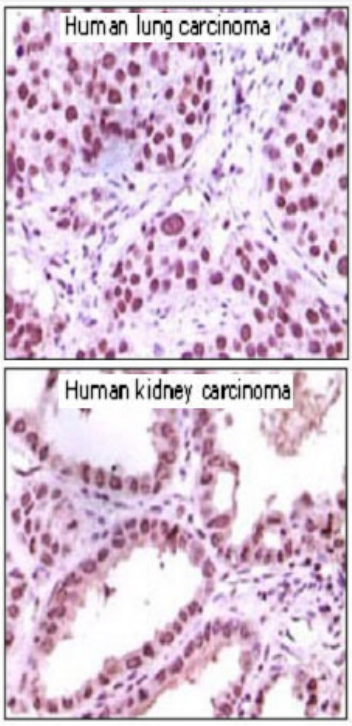
AOF2 monoclonal antibody, clone 1B2E5

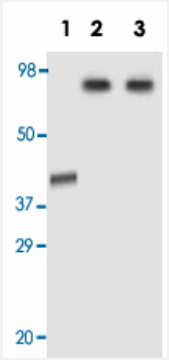
Catalog # MAB5530 Size 100 ug

Applications



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

Immunohistochemical analysis of paraffin-embedded human lung carcinoma and kidney carcinoma tissue, showing nuclear localization using AOF2 monoclonal antibody, clone 1B2E5 (Cat # MAB5530) with DAB staining.



Western Blot

Western blot analysis using AOF2 monoclonal antibody, clone 1B2E5 (Cat # MAB5530) against truncated AOF2 recombinant protein (Lane 1), HeLa (Lane 2) and Jurkat (Lane 3) cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant AOF2.

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Immunogen	Recombinant protein corresponding to human AOF2.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1:500-1:2000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:2000) Immunohistochemistry (Frozen sections) (1:500-1:2000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human lung carcinoma and kidney carcinoma tissue, showing nuclear localization using AOF2 monoclonal antibody, clone 1B2E5 (Cat # MAB5530) with DAB staining.

- Immunohistochemistry (Frozen sections)

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western blot analysis using AOF2 monoclonal antibody, clone 1B2E5 (Cat # MAB5530) against truncated AOF2 recombinant protein (Lane 1), HeLa (Lane 2) and Jurkat (Lane 3) cell lysate.

Gene Info — AOF2

Entrez GeneID	23028
Gene Name	AOF2
Gene Alias	BHC110, KDM1, KIAA0601, LSD1
Gene Description	amine oxidase (flavin containing) domain 2

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Omim ID	609132
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an a mine oxidase domain. This protein is a component of several histone deacetylase complexes, tho ugh it silences genes by functioning as a histone demethylase. Alternative splicing results in multi ple transcript variants. [provided by RefSeq
Other Designations	BRAF35-HDAC complex protein BHC110|FAD-binding protein BRAF35-HDAC complex, 110 k Da subunit|lysine (K)-specific demethylase 1|lysine-specific histone demethylase 1

Publication Reference

- Regulation of LSD1 histone demethylase activity by its associated factors.

  Shi YJ, Matson C, Lan F, Iwase S, Baba T, Shi Y.

  Molecular Cell 2005 Sep; 19(6):857.

  Application: WB, Human, HeLa cells

- LSD1 demethylates repressive histone marks to promote androgen-receptor-dependent transcription.

  Metzger E, Wissmann M, Yin N, Muller JM, Schneider R, Peters AH, Gunther T, Buettner R, Schule R.

  Nature 2005 Sep; 437(7057):436.

  Application: ChIP, Re-ChIP, IP-WB, IHC-P, IF, Human, Mouse, Testis, Prostate, LNCaP, HeLa cells

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