

Product datasheet

anti-TTF-1 mouse monoclonal, 8G7G3/1, supernatant

Short overview

Cat. No.	16108
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	8G7G3/1
Immunogen	Rat TTF-1 recombinant protein
Formulation	Contains 0.09 % sodium azide
UniprotID	P43699 (Human),Q62187 (Mouse),P23441 (Rat)
Synonym	Homeobox protein Nkx-2.1, Homeobox protein NK-2 homolog A, Thyroid nuclear factor 1, Thyroid transcription factor 1, TTF-1, Thyroid-specific enhancer-binding protein, T/EBP, NKX2-1, NKX2A, TITF1, TTF1
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC, WB
Reactivity	Human, Mouse, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:20
Immunohistochemistry (IHC) - paraffin	1:10-1:20 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

The antibody recognizes a 40 kDa protein (e.g. in nuclear extracts of human H345 cells), identified as thyroid transcription factor 1 (TTF-1), selectively expressed in the lung, thyroid and diencephalon. The antigen has been localized in the nucleus.

Tumors specifically detected: the antibody is useful in the classification of thyroid and lung tumors.

Positive control: normal thyroid or lung.

Product images



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References

Publication	Species	Application
Furukawa, S., Nagaïke, M. & Ozaki, K. Databases for technical aspects of immunohistochemistry. J. Toxicol. Pathol. 30, 79-107 (2017).	rat	IHC (paraffin)
Miyoshi, G. et al. Prox1 Regulates the Subtype-Specific Development of Caudal Ganglionic Eminence-Derived GABAergic Cortical Interneurons. J. Neurosci. 35, 12869-12889 (2015).	mouse	IHC (frozen)
Holzinger, A. et al. Monoclonal antibody to thyroid transcription factor-1: production, characterization, and usefulness in tumor diagnosis. Hybridoma 15, 49-53 (1996).	human,mouse	WB,IHC (paraffin)