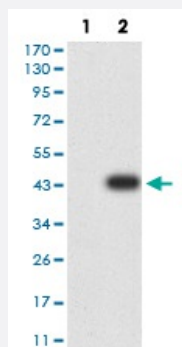


RUNX3 monoclonal antibody, clone 7E2B8

Catalog # MAB17520

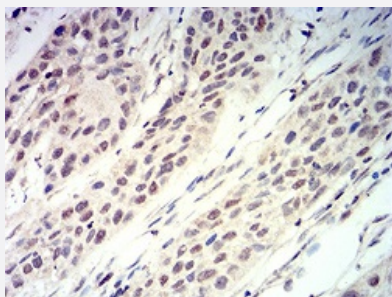
Size 100 ug

Applications



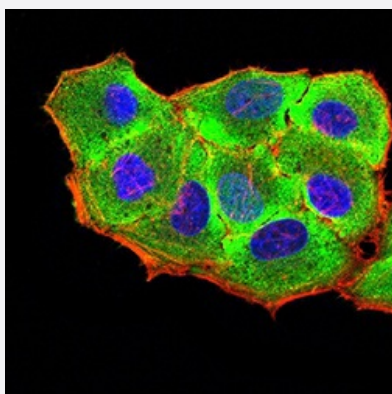
Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) RUNX3-hlgGfC transfected HEK293 cell lysate.



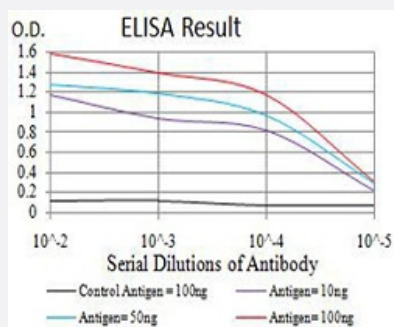
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded esophageal cancer tissues with RUNX3 monoclonal antibody.



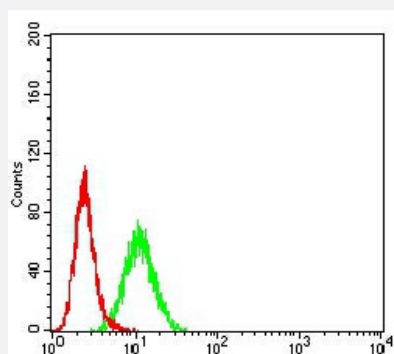
Immunocytochemistry

Immunocytochemical staining of HeLa cells with RUNX3 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RUNX3 monoclonal antibody, clone 7E2B8.



Flow Cytometry

Flow cytometric analysis of HeLa cells with RUNX3 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human RUNX3.
Immunogen	Recombinant protein corresponding to amino acid 294-429 of human RUNX3 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	44.4
Reactivity	Human
Form	Liquid
Isotype	IgG2b
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry (1:50-1:250) Flow Cytometry (1:200-1:400) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) RUNX3-hlgGfC transfected HEK293 cell lysate.

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

Immunohistochemical staining of paraffin-embedded esophageal cancer tissues with RUNX3 monoclonal antibody.

- Immunocytochemistry

Immunocytochemical staining of HeLa cells with RUNX3 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RUNX3 monoclonal antibody, clone 7E2B8.

- Flow Cytometry

Flow cytometric analysis of HeLa cells with RUNX3 monoclonal antibody (green) and negative control (red).

Gene Info — RUNX3

Entrez GeneID[864](#)**Gene Name**

RUNX3

Gene Alias

AML2, CBFA3, FLJ34510, MGC16070, PEBP2aC

Gene Description

runt-related transcription factor 3

Omim ID[600210](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000003370|OTTHUMP00000003371|PEA2 alpha C|PEBP2 alpha C|acute myeloid leukemia gene 2|core-binding factor, runt domain, alpha subunit 3|polyomavirus enhancer-binding protein 2 alpha C subunit|transcription factor AML2

Disease

- [Celiac Disease](#)
- [Colitis](#)
- [Gastritis](#)
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- [Helicobacter Infections](#)
- [Intestinal Neoplasms](#)
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- [Urinary Bladder Neoplasms](#)