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ZNF304 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11550

Product Information

Application	WB
Primary Accession	Q9HCX3
Other Accession	NM_020657, NP_065708
Reactivity	Human, Mouse, Rat, Pig, Dog, Horse, Bovine
Predicted	Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75047

Additional Information

Gene ID	57343
Alias Symbol	MGC129703, MGC129704
Other Names	Zinc finger protein 304, ZNF304
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ZNF304 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ZNF304 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF304 (HGNC:13505)
Function	Acts as a transcriptional regulator and plays a role in gene silencing (PubMed:24623306, PubMed:26081979). Probably forms a corepressor complex required for activated KRAS-mediated promoter hypermethylation and transcriptional silencing of several tumor suppressor genes (TSGs) or other tumor-related genes in colorectal cancer (CRC) cells (PubMed:24623306). Also required to maintain a transcriptionally repressive state of genes in undifferentiated embryonic stem cells (ESCs) by inducing trimethylation of 'Lys-27' of histone H3 (H3K27me3) (PubMed:24623306) in a Polycomb group (PcG) complexes-dependent manner. Associates at promoter regions of TSGs and mediates the recruitment of the corepressor complex containing the scaffolding protein TRIM28, methyltransferase DNMT1 and

histone methyltransferase SETDB1 and/or the PcG complexes at those sites (PubMed:24623306). Transcription factor involved in the metastatic cascade process by inducing cell migration and proliferation and gain resistance to anoikis of ovarian carcinoma (OC) cells via integrin- mediated signaling pathways (PubMed:26081979). Associates with the ITGB1 promoter and positively regulates beta-1 integrin transcription expression (PubMed:26081979). Promotes angiogenesis (PubMed:26081979). Promotes tumor growth (PubMed:24623306, PubMed:26081979).

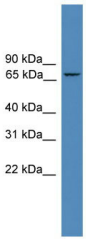
Cellular Location

Nucleus. Note=Associates with chromatin (PubMed:24623306)

Tissue Location

Expressed in undifferentiated embryonic stem cells (ESCs) (PubMed:24623306). Expressed strongly in colorectal cancers cells (CRCs) (PubMed:24623306). Expressed strongly in ovarian carcinoma (OC) tumor cell lines compared to non-transformed ovarian epithelial cells (at protein level) (PubMed:26081979). Expressed in lymphoid tissues, thyroid, adrenal gland, prostate, pancreas and skeletal muscles (PubMed:12051768).

Images



WB Suggested Anti-ZNF304 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: OVCAR-3 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.