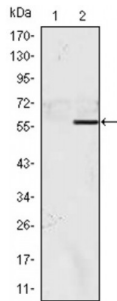
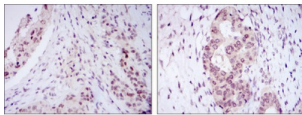


Nucleus Accumbens Associated 1 (NACC1) Antibody

Catalogue No.: abx011231



Western blot analysis using NACC1 antibody against HEK293 (1) and NACC1 (AA: 165-438) - hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded mammary cancer tissues (left) and ovarian cancer tissues (right) using NACC1 antibody with DAB staining.

NAC1 or nuclear accumbens-1 is a nuclear factor that belongs to the POZ/BTB (Pox virus and zinc finger/bric-a-brac tramtrack broad complex) domain family. Also known as BTBD14B, it was originally identified in a unique neuronal forebrain structure responsible for reward motivation and addictive behaviors. NAC1 recruits HDAC3 and HDAC4 to transcriptionally repress gene expression in neuronal cells (3) and specifically co-represses other POZ/BTB proteins in the central nervous system. NAC1 is upregulated in several tumor types, including breast, renal cell, and hepatocellular carcinoma, as well as high grade ovarian serous carcinoma, where it has long been suspected as a chemoresistance gene. The chemoresistance mechanism reportedly occurs through NAC1 negative regulation of the GADD45 pathway. NAC1 has also been described as part of the extended transcriptional network in pluripotent cells that involves Oct-4, Sox2, Nanog, Sall1, KLF4 and Sall4.

Target: NACC1

Reactivity: Human

Host: Mouse

Clonality: Monoclonal

Tested Applications: ELISA, WB, IHC

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Purified recombinant fragment of human NACC1 expressed in E. Coli.

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Purification:	Unpurified Ascites.
Isotype:	IgG ₁
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	58 kDa
Swiss Prot:	Q96RE7
GeneID:	112939
Gene Symbol:	NACC1
OMIM:	610672
HGNC:	20967
Ensembl:	ENSG00000160877
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Note:	This product is for research use only.