

DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse NAC1 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1243A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse NAC1 Val457-Gln514 Accession # Q7TS78
Formulation	Supplied as a solution in PBS containing BSA, Glycerol and Sodium Azide. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

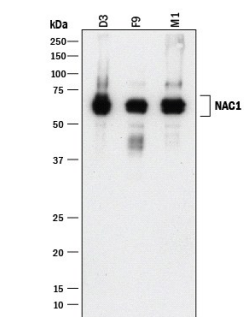
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1:1000 dilution	See Below
Immunohistochemistry	1:70-1:100 dilution	See Below
Simple Western	1:100 dilution	See Below

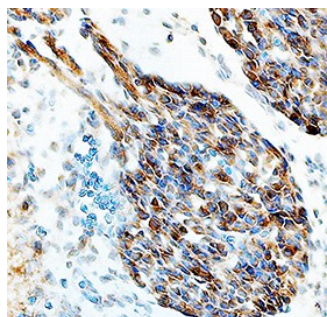
DATA

Western Blot



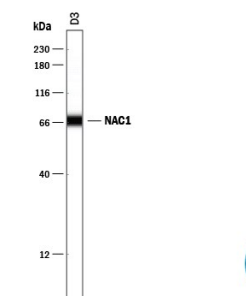
Detection of Mouse NAC1 by Western Blot. Western blot shows lysates of D3 mouse embryonic stem cell line, F9 mouse teratocarcinoma stem cells, and M1 mouse myeloid leukemia cell line. PVDF membrane was probed with 1:1000 dilution of Rabbit Anti-Mouse NAC1 Monoclonal Antibody (Catalog # MAB8375) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for NAC1 at approximately 65-70 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunohistochemistry




NAC1 in Mouse Embryo. NAC1 was detected in immersion fixed frozen sections of mouse embryo (13 d.p.c.) using Rabbit Anti-Mouse NAC1 Monoclonal Antibody (Catalog # MAB8375) at a 1:80 dilution overnight at 4 °C. Tissue was stained using the Anti-Rabbit HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS005) and counterstained with hematoxylin (blue). Specific staining was localized to developing primary sensory neurons in dorsal root ganglia. View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

Simple Western



Detection of Mouse NAC1 by Simple Western™. Simple Western lane view shows lysate of D3 mouse embryonic stem cell line, loaded at 0.2 mg/mL. A specific band was detected for NAC1 at approximately 69 kDa (as indicated) using 1 µg/mL of Rabbit Anti-Mouse NAC1 Monoclonal Antibody (Catalog # MAB8375). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 °C, as supplied. ● 1 month, 2 to 8 °C under sterile conditions after opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

NAC1 (Nucleus Accumbens-associated Protein 1) also known as NACC1, is a 527 amino acid (aa) BTB/POZ domain containing protein. Human NAC1 shares 86% and 85% aa sequence identity with mouse and rat NAC1, respectively. It has been shown to have a role in transcriptional regulation in both pluripotent stem cells and in the brain. Additionally, NAC1 expression is upregulated in many cancers and this expression has been suggested to correlate with increased aggressiveness in some cancers.

PRODUCT SPECIFIC NOTICES

* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.