

DESCRIPTION

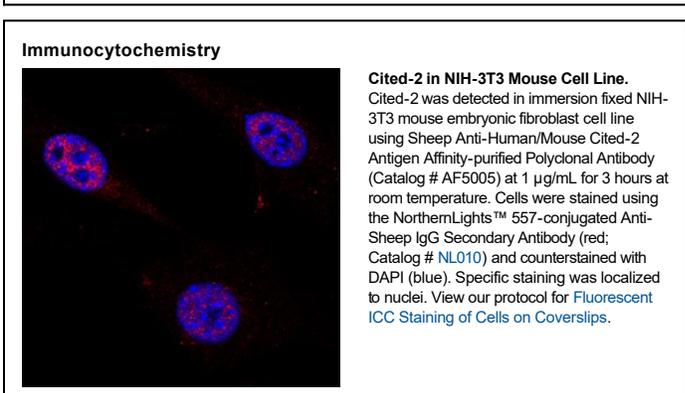
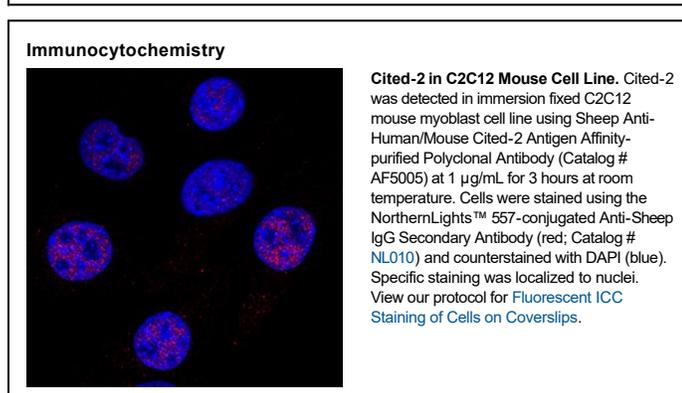
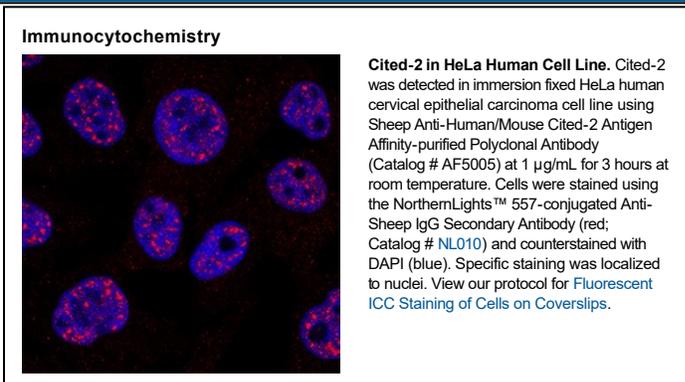
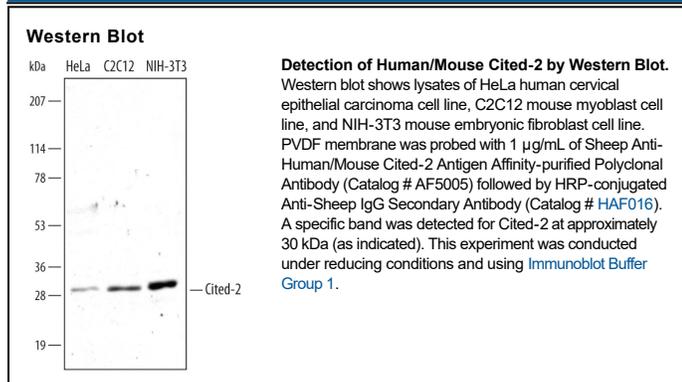
Species Reactivity	Human/Mouse
Specificity	Detects mouse Cited-2 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Cited-2 Met1-Cys269 Accession # O35740
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

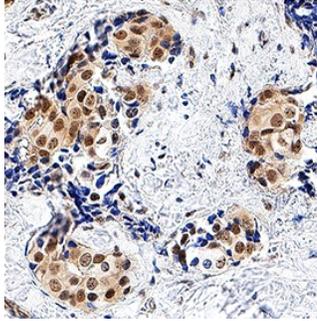
Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Immunocytochemistry	1-10 µg/mL	See Below
Immunohistochemistry	3-15 µg/mL	See Below

DATA



Immunohistochemistry



Cited-2 in Human Breast Cancer Tissue.
Cited-2 was detected in immersion fixed paraffin-embedded sections of human breast cancer tissue using Sheep Anti-Human/Mouse Cited-2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5005) at 3 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Sheep HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS019) and counterstained with hematoxylin (blue). Specific staining was localized to nuclei. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. 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 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Cited-2 is a 270 amino acid protein that functions by binding to the CH1 region of CREB binding protein (CBP)/p300. This binding interferes with certain transcription factors like HIF1α and STAT2 blocking their ability to bind and interact with CBP/p300. Cited-2 knockout mice die due to defects in heart and neural tube development. Mutations in Cited-2 have been reported in patients with congenital heart defects. It appears Cited-2 modulates apoptosis by a p53 independent pathway whereby the details still need to be elucidated.