

DESCRIPTION

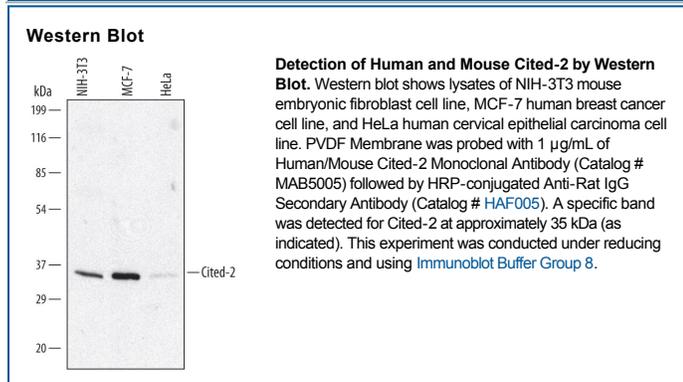
Species Reactivity	Human/Mouse
Specificity	Detects human Cited-2 in direct ELISAs and Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 477226
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Cited-2 Met1-Cys269 Accession # 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 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

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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.