Mouse ETV2/ER71 Antibody

Monoclonal Rat IgG_{2A} Clone # 827940

Catalog Number: MAB7740

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ETV2/ER71 in direct ELISAs.
Source	Monoclonal Rat IgG_{2A} Clone # 827940
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse ETV2/ER71 Asn125-Arg231 Accession # P41163
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.

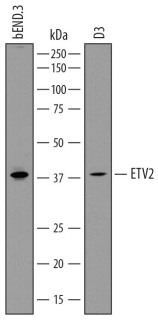
APPLICATIONS

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	2 µg/mL	See Below

DATA

Western Blot



Detection of Mouse ETV2/ER71 by Western Blot. Western blot shows lysates of bEnd.3 mouse endothelioma cell line and D3 mouse embryonic stem cell line. PVDF membrane was probed with 2 µg/mL of Rat Anti-Mouse ETV2/ER71 Monoclonal Antibody (Catalog # MAB7740) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for ETV2/ER71 at approximately 37 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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.** ● 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

ETS translocation variant 2 (ETV2), also known as ETSRP and ER71, is a 37 kDa transcription factor that is expressed in presumptive vascular progenitor cells. It plays an important role in vascular development by promoting the expansion of hemangioblasts and vascular endothelial cells while inhibiting differentiation into cardiomyocytes. It contains one ETS DNA binding domain (aa 234-314). Within aa 125-231, mouse ETV2 shares 54% and 85% aa sequence identity with human and rat ETV2, respectively.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449