Human FoxC1 Antibody

Monoclonal Mouse IgG_1 Clone # 625905

Catalog Number: MAB6329

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FoxC1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 625905
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human FoxC1 Gln208-Gln322 Accession # Q12948
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.

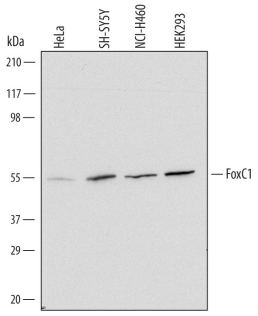
APPLICATIONS

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

Western Blot



Detection of Human FoxC1 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, SH-SY5Y human neuroblastoma cell line, NCI-H460 human large cell lung carcinoma cell line, and HEK293 human embryonic kidney cell line. PVDF Membrane was probed with 1 µg/mL of Mouse Anti-Human FoxC1 Monoclonal Antibody (Catalog # MAB6329) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for FoxC1 at approximately 60 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

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.** ● 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

Human FoxC1 (forkhead box C1), also called FKHL7 (forkhead-like 7) or FREAC3 (forkhead-related activator 3) is a 553 amino acid (aa) intracellular phosphoprotein that belongs to a large family of nuclear transcription factors that share a common forkhead/winged helix DNA binding domain. FoxC1 is essential for formation of mesodermal tissues; mutations underlie Axenfeld-Rieger malformations of the eye. The human FoxC1 sequence includes a DNA binding domain at aa 77-168 and an inhibitory domain between aa 268-245. Phosphorylation within this inhibitory region causes a protein gel mobility shift. Human FoxC1 shares 92% and 91% aa identity with mouse and rat FoxC1, respectively.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956