Human HAND1 Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: BAF3168

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human human HAND1 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human HAND2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human HAND1 Met1-Gln215 Accession # O96004
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

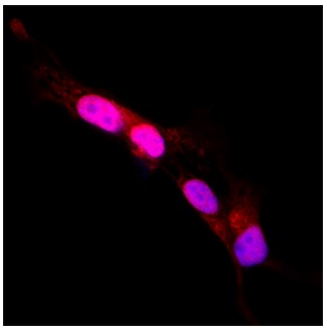
APPLICATIONS

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	0.1 µg/mL	Recombinant Human HAND1
Immunocytochemistry	5-15 µg/mL	Immersion fixed SH-SY5Y human neuroblastoma cell line

DATA

Immunocytochemistry



HAND1 in SH-SY5Y Human Cell Line. HAND1 was detected in immersion fixed SH-SY5Y human neuroblastoma cell line using Goat Anti-Human HAND1 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF3168) at 15 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to nuclei. Staining was performed using our protocol for Fluorescent ICC Staining of Non-adherent Cells.

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.
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

HAND1 belongs to the HAND family of conserved basic helix-loop-helix transcription factors. It is expressed in the heart, ganglia, neural crest derivatives and extraembryonic tissues. HAND1 plays an essential role in heart development and is critical for the specification of extraembryonic tissues including trophoblasts. Human and mouse HAND1 share approximately 92% amino acid sequence homology.

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