Human SOX17 Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: BAF1924

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SOX17 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) SOX2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human SOX17 Asp177-Val414 Accession # Q9H6I2
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 SOX17
Immunocytochemistry	5-15 µg/mL	Immersion fixed human BG01V embryonic stem 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

SOX17 is a member of the SOX family of transcription factors that bind DNA via a high mobility group (HMG) domain. SOX17 is suggested to play an important role in endoderm development (1, 2). In Western blot, BAF1924 detects a 60 kDa band of endogenous SOX17 which is higher than predicted molecular weight but consistent with the current literature (3).

References:

1. Kanai-Azuma, M. *et al.* (2002) Development **129**:2367.
2. Katoh, M. *et al.* (2002) Int. J. Mol. Med. **9**:153.
3. Sohn, J. *et al.* (2006) J. Neuroscience **26**:9722.