Human ONECUT2/OC-2 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6294V
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ONECUT2/OC-2 in direct ELISAs.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human ONECUT2/OC-2 Gln185-Thr326 Accession # O95948
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ONECUT2 (one "cut" domain family member 2; also OC-2 and HNF6β) is a monomeric 54 kDa (predicted) member of the One Cut-domain containing class of homeodomain proteins. It is expressed in embryonic neural crest plus hepatic, pancreatic, and intestinal tissue. In the adult, it is found in hepatocytes and small intestine epithelial cells. ONECUT2 is a transcriptional regulator that is known to impact the expression of Ngn3, OPN and Thbs4. This likely contributes to embryonic cell differentiation and migration. Human ONECUT2 is 504 amino acids (aa) in length. It contains two DNA binding regions, one classified as a CUT domain (aa 331-410) and another as a homeobox domain (aa 427-481). There is one potential alternative start site at Met20. Over aa 185-326, human ONECUT2 shares 98% aa identity with mouse ONECUT2.

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