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**Research Use Only. Not
for diagnostic or
therapeutic use.**

Storage: Aliquot and store at
-20°C. Minimize freezing and
thawing.

Product: EB06279 – Goat anti-ALKBH

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

Target Protein

Principal Names: ALKBH; ABH; alkB; hABH; alkB, alkylation repair homolog (E. coli); alkylation repair, alkB homolog

Official Gene Symbol: ALKBH

Accession Number(s): NP_006011

Human Gene ID(s): 8846

Gene Ontology terms: DNA dealkylation

Immunogen

Peptide with sequence C-HIEQVFSPSASGK, from the N Terminus of the protein sequence according to NP_006011

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution >1:32,000. Western Blot: Preliminary experiments gave an approx 25-30kDa band in Hela whole cell lysates at 1.5ug/ml. Please note that currently we cannot find an explanation in the literature for the band we observe given the predicted size of approx. 34kDa according to NP_006011. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

Expected from sequence similarity: Human

Background Reference

Aas PA, Otterlei M, Falnes PO, Vagbo CB, Skorpen F, Akbari M, Sundheim O, Bjoras M, Slupphaug G, Seeberg E, Krokan HE.

Human and bacterial oxidative demethylases repair alkylation damage in both RNA and DNA.

Nature. 2003 Feb 20;421(6925):859-63.

PMID: 12594517

