RayBiotech, Inc.

# Certificate of Analysis and Data Sheet <br> Goat Anti-Human ATPase family, AAA domain containing 5 / ATAD5 <br> With HRP-conjugated Secondary Antibody 

Catalog No.<br>ER-14-0195

Target Species<br>Human

Accession Number<br>NP_079133.3

## Target Protein

Principal Names: ATPase family, AAA domain containing 5, chromosome fragility associated gene 1, FRAG1, FLJ12735, chromosome 17 open reading frame 41, C17orf41, ATAD5
Official Symbol: ATAD5
Accession Number(s): NP_079133.3
Human GeneID(s): 79915

## Immunogen

Peptide with sequence C-DNKIYPKNTKKKRVD, from the internal region of the protein sequence according to NP_079133.3.

## Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at $0.5 \mathrm{mg} / \mathrm{ml}$ in Tris saline, $0.02 \%$ sodium azide, pH 7.3 with $0.5 \%$ bovine serum albumin. Aliquot and store at $-20^{\circ} \mathrm{C}$. Minimize freezing and thawing.

## Applications Tested

Peptide ELISA: Antibody detection limit dilution 1:32000.
Western blot: Preliminary experiments gave an approx 50kDa band in lysates of all Human cell lines tested after $0.03 \mu \mathrm{~g} / \mathrm{ml}$ antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 208kDa according to NP_079133.3. The 50 kDa band was successfully blocked by incubation with the immunizing peptide.

## Species Reactivity

Tested: Expected from sequence similarity: Human

## Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

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