

Datasheet for ABIN7602454
anti-OPLAH antibody (AA 788-1072)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	OPLAH
Binding Specificity:	AA 788-1072
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPLAH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-OPLAH Antibody Picoband®
Immunogen:	E.coli-derived human OPLAH recombinant protein (Position: H788-E1072).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-OPLAH Antibody Picoband® (ABIN7602454). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	OPLAH
Alternative Name:	OPLAH (OPLAH Products)
Background:	<p>Synonyms: Protein eva-1 homolog A, Protein FAM176A, Transmembrane protein 166, EVA1A, FAM176A, TMEM166, SP24</p> <p>Tissue Specificity: Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.</p> <p>Background: The protein encoded by this gene acts as a homodimer, using ATP hydrolysis to catalyze the conversion of 5-oxo-L-proline to L-glutamate. Defects in this gene are a cause of 5-oxoprolinase deficiency (OPLAHD).</p>
Molecular Weight:	140 kDa
Gene ID:	26873
UniProt:	O14841

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Almaghlouth, I. A., Mohamed, J. Y., Al-Amoudi, M., Al-Ahaidib, L., Al-Odaib, A., Alkuraya, F. S. 5-Oxoprolinase deficiency: report of the first human OPLAH mutation. Clin. Genet. 82: 193-196, 2012. 2. Calpena, E., Casado, M., Martinez-Rubio, D., Nascimento, A., Colomer, J., Gargallo, E., Garcia-Cazorla, A., Palau, F., Artuch, R., Espinos, C. 5-Oxoprolinuria in heterozygous patients for 5-oxoprolinase (OPLAH) missense changes. JIMD Rep. 7: 123-128, 2013. 3. Hartz, P. A. Personal Communication. Baltimore, Md. 9/22/2011.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .

Handling

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.