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AP30982PU-N Polyclonal Antibody to UROP11 - Aff - Purified

Alternate names: Upregulated obese product 11

Quantity: 0.1 mg

Background: Upregulated obese product 11 (UROP11) was isolated from subtractive library for mouse hypothalamus. It is detected in numerous tissues and is upregulated in the hypothalamus and adipocytes in obese mice. UROP11 is also observed in human neural and lymphoid tissues; its expression appears to be regulated by the level of lymphoid activation. Urop11 expression is strongly upregulated both in vivo in mouse hypothalamus and in vitro in mouse neural cell lines after treatment with leptin, indicating Urop11 is a target of leptin activity and thus may play a role in obesity. Despite its predicted molecular weight, UROP11 often migrates at a much higher apparent size in SDS-PAGE.

Uniprot ID: Q80WG6

NCBI: CAD90042

Host / Isotype: Rabbit / IgG

Immunogen: UROP11 antibody was raised against a 12 amino acid peptide near the center of the mouse UROP11.

Format:
State: Liquid Ig fraction
Purification: Affinity chromatography
Buffer System: PBS containing 0.02% sodium azide

Applications:
ELISA.
Western blot: 1 – 2 µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects UROP11.

Species Reactivity: **Tested:** Human, mouse, rat

Add. Information: Blocking peptide available: AP30982CP-N

Storage: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Verlaeten O, Casery C, Cavagna S, Naville D, Giraudon P, Belin MF, et al. Identification of Urop11, a novel leptin-modulated gene that is upregulated in the hypothalamus of mice with virus-induced obesity. J Mol Endocrinol. 2007 Feb;38(1-2):3-17. PubMed PMID: 17242166.

Pictures:

Western blot analysis of UROP11 in mouse spleen tissue lysate with UROP11 antibody at (A) 1 and (B) 2 µg/ml.