

## Product datasheet for **TA318914**

### Angiopoietin like 4 (ANGPTL4) Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | WB  |
| Recommended Dilution: | WB: 0.5-4ug/ml  |
| Reactivity:           | Mouse, Rat  |
| Host:                 | Rabbit  |
| Isotype:              | IgG   |
| Clonality:            | Polyclonal  |
| Immunogen:            | Synthetic peptide surrounding amino acid 84 of mouse FIAF   |
| Formulation:          | 100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal. |
| Concentration:        | lot specific  |
| Purification:         | Affinity purified   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at -20°C as received.   |
| Stability:            | Stable for 12 months from date of receipt.  |
| Gene Name:            | angiopoietin like 4   |
| Database Link:        | <a href="#">NP_057193</a><br><a href="#">Entrez Gene 57875 Mouse</a> <a href="#">Entrez Gene 362850 Rat</a><br><a href="#">Q9BY76</a>                       |



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**Background:**

Adipose tissue is an energy reserve in animals. Adipose cells produce and secrete numerous physiologically important proteins that help regulate whole body metabolism, such as adiponectin leptin. Fasting causes significant changes in nutrient metabolism and many of these changes are controlled by transcription factors that regulate rate-limiting enzymes. An important transcription factor that mediates metabolic processes induced by fasting is peroxisome proliferator-activated receptor alpha (PPAR alpha). PPAR alpha has recently been reported to target a novel gene encoding the secreted protein FIAF (fasting-induced adipose factor). FIAF is expressed predominantly in adipose tissue and is strongly upregulated in white adipose tissue and the liver under fasting conditions. Initial studies suggest that FIAF represents a novel endocrine signal helping to regulate metabolism, especially under fasting conditions.

**Synonyms:**

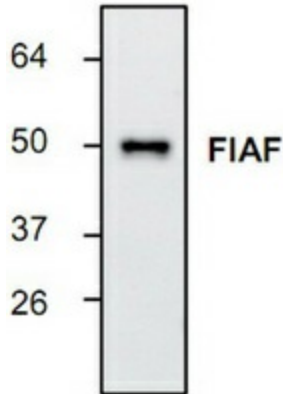
ANGPTL2; ARP4; FIAF; HFARP; PGAR; pp1158; PPARG

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

PPAR signaling pathway

**Product images:**

Western blot analysis of FIAF expression in rat adipose tissue extract.