



OBCAM rabbit pAb

Cat No.:ES2996

For research use only

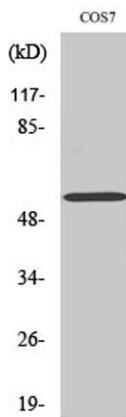
Overview

| | |
|---------------------------------|---|
| Product Name | OBCAM rabbit pAb |
| Host species | Rabbit |
| Applications | WB;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat;Monkey |
| Recommended dilutions | Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human OBCAM. AA range:152-201 |
| Specificity | OBCAM Polyclonal Antibody detects endogenous levels of OBCAM protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Opioid-binding protein/cell adhesion molecule |
| Gene Name | OPCML |
| Cellular localization | Cell membrane ; Lipid-anchor, GPI-anchor . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 58kD |
| Human Gene ID | 4978 |
| Human Swiss-Prot Number | Q14982 |
| Alternative Names | OPCML; IGLON1; OBCAM; Opioid-binding protein/cell adhesion molecule; OBCAM; OPCML; Opioid-binding cell adhesion molecule; IgLON family member 1 |
| Background | This gene encodes a member of the IgLON subfamily in the immunoglobulin protein superfamily of proteins. The encoded preprotein is proteolytically processed to generate the mature protein. This |

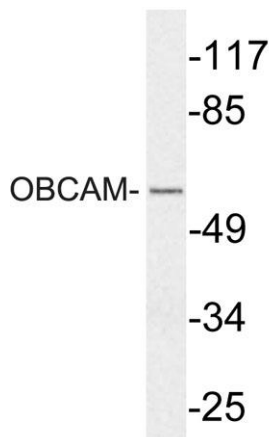




protein is localized in the plasma membrane and may have an accessory role in opioid receptor function. This gene has an ortholog in rat and bovine. The opioid binding-cell adhesion molecule encoded by the rat gene binds opioid alkaloids in the presence of acidic lipids, exhibits selectivity for mu ligands and acts as a GPI-anchored protein. Since the encoded protein is highly conserved in species during evolution, it may have a fundamental role in mammalian systems. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016],



Western Blot analysis of various cells using OBCAM Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysate from COS7 cells, using OBCAM antibody.

