

OPRK1 Polyclonal Antibody

| Product Details | |
|--------------------|---|
| Size | 100 µL |
| Species Reactivity | Human |
| Host/Isotope | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | KLH conjugated Cys-RVRNTVQDPAYLRDIDGMNKPV |
| Form | Liquid |
| Storage buffer | whole serum |
| Contains | 0.05% sodium azide |
| Storage Conditions | -20°C |
| RRID | AB_2540489 |

| Applications | Tested | Dilution | Published |
|---|--------|----------|-----------|
| Immunohistochemistry (Paraffin) (IHC (P)) | ✓ | 1:3000 | |
| Western Blot (WB) | ✓ | 1:5000 | |

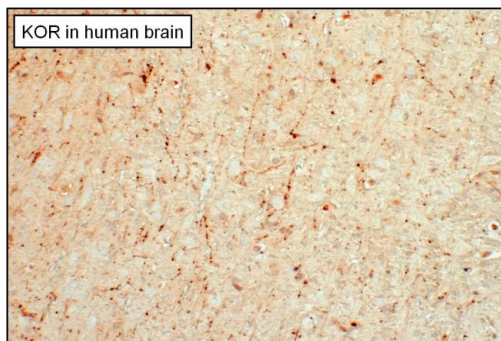
Product Specific Information

IHC (P) analysis shows positive staining of KOR in human brain.

WB analysis shows KOR in glycoprotein-enriched fractions from mock transfected or KOR overexpressing 293 cells.

While KOR has a theoretical MW of ~ 43kD, the observed band in a WB runs at ~60kD due to enrichment of the glycosylated receptor.

Product Images For OPRK1 Polyclonal Antibody

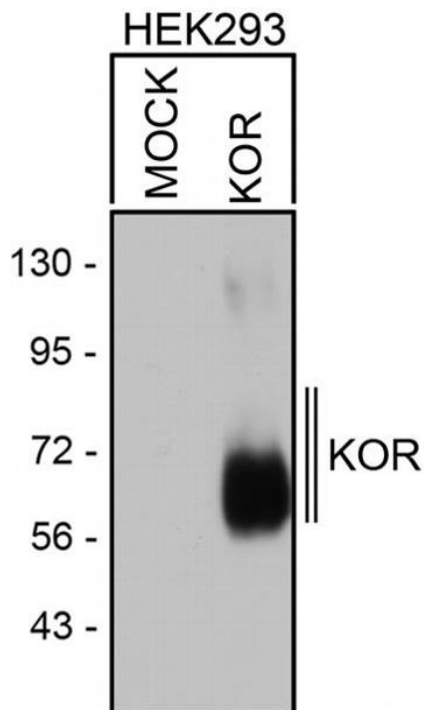


OPRK1 Antibody (PA3-028) in IHC (P)

Immunohistochemistry analysis of KOR was performed on human brain tissue. To expose target proteins, antigen retrieval was performed by microwaving tissues for 20 minutes in 10mM sodium citrate buffer (pH 6.0). Tissue slides were probed with a KOR polyclonal antibody (Product # PA3-028) at a dilution of 1:3000, overnight at 4C in a humidified chamber. Tissues were washed, and detection was performed using an ABC kit composed of biotinylated goat anti-rabbit IgG, peroxidase-conjugated avidin, and 3-amino-9-ethylcarbazole (AEC) substrate in acetate buffer. Tissues were counterstained with hematoxylin and dehydrated to prep for mounting.

OPRK1 Antibody (PA3-028) in WB

Western blot analysis of KOR was performed by loading equal amounts of wheat germ lectin agarose bead enriched KOR receptor fractions from mock-transfected or KOR transfected HEK293 lysates onto a 7.5% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane, blocked and probed with a KOR polyclonal antibody (Product # PA3-028) at a dilution of 1:5000, overnight at 4C on a rocking platform, followed by an HRP-conjugated goat anti-rabbit IgG secondary antibody. Denatured KOR was detected at ~60kDa. Chemiluminescent detection was performed using ECL.



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