

DESCRIPTION

| | |
|---------------------------|--|
| Species Reactivity | Human/Mouse/Rat |
| Specificity | Detects human, mouse, and rat Calretinin in direct ELISAs and Western blots. In direct ELISAs, this antibody shows approximately 5% cross-reactivity with recombinant human Calbindin D. |
| Source | Polyclonal Goat IgG |
| Purification | Antigen Affinity-purified |
| Immunogen | <i>E. coli</i> -derived recombinant human Calretinin Ala2-Ser177 Accession # AAH15484 |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. |

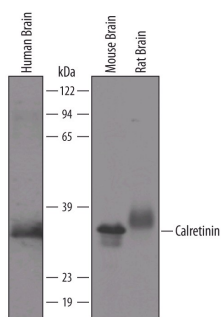
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|-----------------------------|----------------------------------|---------------|
| Western Blot | 1 µg/mL | See Below |
| Immunohistochemistry | 5-15 µg/mL | See Below |

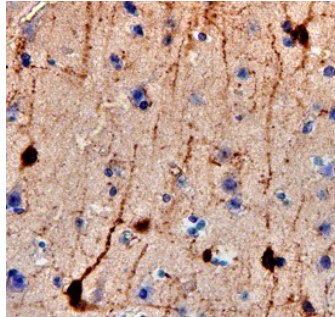
DATA

Western Blot



Detection of Human/Mouse/Rat Calretinin by Western Blot. Western blot shows lysates of human brain, mouse brain and rat brain tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat Calretinin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5065) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for Calretinin at approximately XXX kDa (as indicated). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 8](#).

Immunohistochemistry



Calretinin in Human Brain. Calretinin was detected in immersion fixed paraffin-embedded sections of human brain (cortex) using 15 µg/mL Goat Anti-Human/Mouse/Rat Calretinin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5065) overnight at 4 °C. Tissue was stained with the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

| | |
|--------------------------------|---|
| Reconstitution | Reconstitute at 0.2 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | <p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |