# AFP Polyclonal Antibody

<table>
<thead>
<tr>
<th><strong>Catalog No.</strong></th>
<th>A0200</th>
<th><strong>Category</strong></th>
<th>Polyclonal Antibodies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applications</strong></td>
<td>WB</td>
<td><strong>Observed MW</strong></td>
<td>65kDa</td>
</tr>
<tr>
<td><strong>Cross-reactivity</strong></td>
<td>Mouse, Rat</td>
<td><strong>Calculated MW</strong></td>
<td>68kDa</td>
</tr>
</tbody>
</table>

## Immunogen Information
- **Immunogen**: A synthetic peptide of human AFP
- **Gene ID**: 174
- **Swiss prot**: P02771
- **Synonyms**: AFP; AFPD; FETA; HP AFP; alpha-fetoprotein

## Product Information
- **Source**: Rabbit
- **Isotype**: IgG
- **Purification method**: Affinity purification
- **Storage**: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Background
This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly.

## Recommended Dilutions
- **WB**: 1:500 - 1:2000

### Western blot - AFP Polyclonal Antibody (A0200)

### Immunofluorescence - AFP Polyclonal Antibody (A0200)