

## Product datasheet for **AP09732PU-N**

### Imipramine Sheep Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | ELISA   |
| Recommended Dilution: | <b>ELISA:</b> 0.625 µg/ml.  |
| Host:                 | Sheep   |
| Isotype:              | IgG   |
| Clonality:            | Polyclonal  |
| Immunogen:            | Imipramine-BTG  |
| Specificity:          | This antibody recognizes Imipramine, a tricyclic antidepressant (TCA).  |
| Formulation:          | 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative.<br>State: Ig Fraction<br>State: Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures. |
| Concentration:        | lot specific  |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody (in aliquots) at -20°C.<br>Avoid repeated freezing and thawing.  |
| Stability:            | Shelf life: one year from despatch.   |



[View online »](#)

**Background:**

Tricyclic antidepressants contain a characteristic three ringed nucleus structure. They act primarily as serotonin/norepinephrine reuptake inhibitors. Tricyclic antidepressants are mainly used as antidepressants, but have also been for the treatment of anxiety disorders and attention hyperactivity disorder and as an adjunct to certain analgesics to treat chronic pain. In many treatments they have been replaced by other compounds with fewer side effects. Tricyclic antidepressants are not considered addictive and have a low abuse potential, but suddenly discontinuing treatment may result in discontinuation syndrome and overdose is a main cause of death from prescription drugs.

They have significant cardiovascular and neurological toxicity. Monitoring of TCA levels can help determine toxicity, monitor compliance and establish individual target concentrations. Imipramine is a member of the family of tricyclic antidepressants. Its clinical effect is hypothesized as being due to potentiation of adrenergic synapses by blocking uptake of norepinephrine at nerve endings.

Imipramine is a very powerful antidepressant and is converted to desipramine in the body.

**Synonyms:**

Antidepressin, Berkomin, Cristalia, Melipramine, Prazepine, Sermonil, Tricyclic Antidepressant