

IgG Fraction of Rabbit Anti-Leu⁵-Enkephalin Serum

AS-567

Lot # 6356B

The antiserum was raised in rabbits which was immunized with synthetic Leu⁵-enkephalin covalently attached onto a carrier protein. The antiserum is specific for Leu⁵-enkephalin and is suitable for use in histochemical preparations of tissues or cells. The antiserum has been characterized by RIA, ELISA and immunocytochemical techniques. Dilute the lyophilized antibody with 0.1 ml of 10 mg/ml BSA in PBS for the equivalent concentration of IgG in whole antiserum or with additional buffer for more dilute antibody. The IgG fraction was prepared by precipitation, dialysis, and ion exchange chromatography.

Protein Content = 1.6 mg/vial

Polypeptide	Antibody Specificity	% Cross Reactivity
Leu ⁵ -Enkephalin		100
Met ⁵ -Enkephalin		2
β-Endorphin		<0.001
Dynorphin A		<0.001
Atrial Natriuretic Polypeptide (human)		0
ACTH (human, 1-39)		0
Calcitonin		0
Epidermal growth factor (human)		0
Somatostatin 28		0
Transforming growth factor-alpha		0
Vasoactive Intestinal Peptide		0

Immunocytochemical Staining

This IgG fraction has been found to stain formaldehyde fixed rat brain sections known to express Leu⁵-enkephalin using ABC techniques at a concentration of 10 µg/ml.