

bs-6961R**[Primary Antibody]****BioSS**
ANTIBODIES

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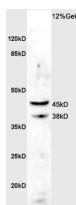
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ASMTY Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 438 Target: ASMTY Immunogen: KLH conjugated synthetic peptide derived from human Dopamine transporter: 241-345/345. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Most abundant in pineal gland, less in retina and brain, not in pigment epithelium.	Isotype: IgG SWISS: P46597	Applications: WB (1:500-2000) Reactivity: Rat (predicted: Human, Mouse, Sheep, Cow, Dog, Horse) Predicted MW.: 38 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Sample: Brain (Rat) Lysate at 40 ug Primary:
Anti- ASMTY (bs-6961R) at 1/300 dilution
Secondary: HRP conjugated Goat-Anti-rabbit IgG
(bs-0295G-HRP) at 1/5000 dilution Predicted
band size: 38 kD Observed band size: 38/45 kD

— SELECTED CITATIONS —

- **[IF=10.3]** Jinho Kim. et al. Biosynthesis of neuroprotective melatonin is dysregulated in Huntington's disease. J PINEAL RES. 2023 Sep;;e12909 WB ;Human,Mouse. 37721126
- **[IF=5.249]** Zhang, WL.. et al. Expression of arylalkylamine n-acetyltransferase (AANAT) and acetylserotonin o-methyltransferase (ASMT) in the corpus luteum of pregnant sows and synthesis of melatonin in luteal cells. 2021 Nov 24 WB,IHC ;Pig. 34816281
- **[IF=2.71]** Herman, A. P., et al. "Interleukin-1 β Modulates Melatonin Secretion in Ovine Pineal Gland: Ex Vivo Study." BioMed Research International (2015). WB ;Other Species. 26339621
- **[IF=3.24]** Herman, A. P., et al. "Central Interleukin-1 β Suppresses the Nocturnal Secretion of Melatonin." Mediators of Inflammation 2016 (2016). WB ;Others. 27212805
- **[IF=1.858]** Wenbo Ge. et al. Melatonin protects sheep endometrial epithelial cells against lipopolysaccharide-induced inflammation in vitro. REPROD DOMEST ANIM. 2022 Aug;; IHC ;Sheep. 36018566