

C.S.S Form

Enter all the information specified in the various fields.

* Indicates required question

ARTICLE INFO

1. PMID *

2. Enter article link from <https://pubmed.ncbi.nlm.nih.gov/> *

3. Year Published(e.g., 2021) *

ACTIVATOR PROTEIN or SIGNALING MOLECULE, A

Activator, A is a protein or signaling molecule which initiates a causal association with a Target protein, C

4. Activator A (Provide full name E.g., [Tumor necrosis factor](#) alpha) *

5. Activator A acronym (Provide an acronym for the widely used name of the protein. *
E.g., [Tumor necrosis factor](#) alpha is called TNFa)

6. Activator A UniProt ID: Click on the link <https://www.uniprot.org/> and find the UNIPROT ID for the protein and enter here. E.g., Unitprot ID for the [Tumor necrosis factor](#) alpha receptor-1 in MOUSE is P25118 · TNR1A_MOUSE. Choose the correct species based on the study. If no UniProt ID available, enter N/A *
-

7. Classifier based on primary function of A

Mark only one oval.

- Cytokine
- Neurotransmitter
- Chemokine
- Free Radicals (e.g., NO, ROS etc.)
- Voltage-Gated Ion Channel
- Neurotransmitter Receptor
- Cytokine Receptor
- Chemokine Receptor
- Other: _____

8. Activator A cell type or source

Mark only one oval.

- Neuron
- Microglia
- Astrocyte
- Extrinsic application
- Transgene-based activation
- Other
- Not reported

EFFECTOR PROTEIN or SIGNALING MOLECULE, E

9. EFFECTOR E

(Provide full name e.g., [Tumor necrosis factor](#) alpha)

10. EFFECTOR E acronym (Provide an acronym for the widely used name of the protein. E.g., [Tumor necrosis factor](#) alpha receptor is called TNFR-1)
-

11. EFFECTOR E UniProt ID: Click on the link <https://www.uniprot.org/> and find the UNIPROT ID for the protein and enter here. E.g., Unitprot ID for the [Tumor necrosis factor](#) alpha receptor-1 in mouse is P25118 · TNR1A_MOUSE. Choose the correct species based on the study. If no UniProt ID available, enter N/A
-

12. Classifier based on primary function of E

Mark only one oval.

- Cytokine
- Neurotransmitter
- Chemokine
- Free Radicals (e.g., NO, ROS etc.)
- Voltage-Gated Ion Channel
- Neurotransmitter Receptor
- Cytokine Receptor
- Chemokine Receptor
- Other: _____

13. **EFFECTOR E cell type or source**

Mark only one oval.

- Neuron
- Microglia
- Astrocyte
- Other
- Not reported

TARGET PROTEIN or SIGNALING MOLECULE, T

This is called TARGET, T

14. **TARGET, T**

(Provide full name e.g., Voltage-Gated Sodium Channel Subunit)

15. **TARGET T** (Provide an acronym for the widely used name of the protein. E.g., Nav1.1). If none reported, enter, N/A

16. **TARGET T UniProt ID:** Click on the link <https://www.uniprot.org/> and find the UNIPROT ID for the protein and enter here. E.g., Unitprot ID for the [Tumor necrosis factor](#) alpha receptor-1 in mouse is P25118 · TNR1A_MOUSE. Choose the correct species based on the study.

17. Classifier based on primary function of T

Mark only one oval.

- Cytokine
- Neurotransmitter
- Chemokine
- Free Radicals (e.g., NO, ROS etc.)
- Voltage-Gated Ion Channel
- Neurotransmitter Receptor
- Cytokine Receptor
- Chemokine Receptor
- Other: _____

18. TARGET, T cell type

Mark only one oval.

- Neuron
- Microglia
- Astrocyte
- Other
- Not reported

EXPERIMENTAL ASSAY INFO

In the following, you will provide some of the technical details of the approach(es) used to evaluate functional associations

19. Select one or more experimental assay(s)

Check all that apply.

- Primary cell culture
- Fresh brain tissue
- Slice preparation
- Fixed tissue sections
- Blood or cerebrospinal fluid
- Cell line derived culture
- Stem cell derived culture
- Other: _____

20. Animal Model/Species

Check all that apply.

- Mouse
- Rat
- Human
- Invertebrate
- Other vertebrate
- Other

21. Age of the specimen

Check all that apply.

- In vitro cell line or cell culture systems (e.g., for Days in vitro, DIV10-DIV14)
- Neonatal (e.g., for mouse and rats, P0-P4)
- Postnatal (e.g., for mouse and rats, P4-P21)
- Adult (e.g., for mouse and rat, >P21)
- Disease end stage (e.g., in animal models of disease or human postmortem periods)
- Other

22. Is the experimental assay and/or model system based on brain diseases or neurotrauma?

Mark only one oval.

- Yes
- No

23. Brain Region: Click on the link below and refer to the Allen Brain Atlas to enter the full name and acronym in parentheses for the brain region reported.
- https://mouse.brain-map.org/experiment/thumbnails/100048576?image_type=atlas
-

EXPERIMENTAL VALIDATION METHODS INFO

24. Activator A or Effector E Activation Method

Mark only one oval.

- Extrinsic application of A or agonist activation of E (In vivo, in vitro pharmacology)
- Electrical stimulation of source cell types
- Transgenic overexpression/suppression of A or E
- Other
- Not reported

25. List experimental method(s) used for **Target Expression** Validation (e.g., Immunocytochemistry etc.; N/A if not present)
-

26. List experimental method(s) used to characterize **pleiotropic signaling/function changes** in Target, T (e.g., receptor binding assay, voltage-clamp electrophysiology, etc.; N/A if none)
-

27. List experimental method(s) used to characterize **neurophysiological changes** (Ca²⁺ recording, Patch-clamp electrophysiology, Extracellular recording etc.; N/A if none)
-

FUNCTIONAL EFFECTS

Select the type of functional effects observed on the TARGET protein/signaling molecule. Also select any effects on neurophysiology functions.

28. **Functional Effect Type(s)**

Check all that apply.

	Increase	Decrease	No Effect	Not Tested
Neurophysiology - Intrinsic Plasticity (e.g., increase in membrane currents or action potential firing)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neurophysiology - Structural Plasticity (e.g., Dendritic Remodeling)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neurophysiology - Synaptic Plasticity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neurophysiology - Neuroprotection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neurophysiology - Neurotoxicity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

29. **THIS PRA DOES NOT FIT INCLUSION CRITERIA BECAUSE....**

This content is neither created nor endorsed by Google.



